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# Boston Protective Department

Report 1928

## FIFTY-FOURTH

# ANNUAL REPORT

FOR THE CALENDAR YEAR

1927

6458

FIFTY-FOURTH

# ANNUAL REPORT

OF THE

# Boston Protective Department

FROM

January 1, 1927 to January 1, 1928

PUBLIC LIBRARY
OF THE
CITY OF BOSTON

# OFFICERS

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*President:*

R. J. DUNKLE

*Vice-President:*

T. H. RATIGAN

*Directors:*

To Serve until March, 1928

R. J. DUNKLE WILLIAM GILMOUR

EDWARD C. STONE

To Serve until March, 1929

BURTON S. FLAGG A. W. BURKE

G. B. PROCTOR

To Serve until March, 1930

T. H. RATIGAN A. K. POPE

WILLARD C. HILL

*Secretary-Treasurer:*

CHARLES W. GOODING

*Superintendent:*

H. E. THOMPSON

*Medical Officer:*

DR. WM. F. TEMPLE, JR.

Boston, January 1, 1928.

To the Members of the
Boston Protective Department:

The Directors submit herewith the 54th Annual Report of the Department with the reports of the Superintendent, Treasurer, Medical Officer and statistical tables.

The Board recommends, first, that the active duties of the Department be continued for another year; second, that the Directors be authorized to expend for the maintenance of the Department during the year a sum not exceeding two hundred and twenty-five thousand, one hundred and ten dollars.

For the Directors,

R. J. DUNKLE,
President.

1 Vol Cont
Approved 12 1933

## TREASURER'S REPORT

### CURRENT INCOME AND EXPENSE ACCOUNT FOR THE YEAR ENDING DECEMBER 31, 1927

| | | |
|---|---|---|
| RECEIPTS: | | |
| Assessments | $170,787.33 | |
| Interest | 500.67 | |
| Special Service | 2,284.14 | |
| Transferred from Reserve | 44,000.00 | |
| | | $217,572.14 |
| EXPENDITURES: | | |
| Pay Roll and Salaries | $178,641.64 | |
| Repairs of Houses | 291.11 | |
| Telephone and Fire Alarm | 1,292.81 | |
| Water, Light and Fuel | 3,838.63 | |
| Printing, Stamps and Office Supplies | 1,252.26 | |
| Auto Supplies and Repairs | 7,212.04 | |
| Miscellaneous Department Supplies | 2,511.47 | |
| New Equipment and Furnishings | 1,746.19 | |
| Repairs of Equipment | 209.35 | |
| Rent and Taxes | 7,590.00 | |
| Compensation and other Insurance | 12,088.10 | |
| Sundries | 234.99 | |
| Total Expenditures | $216,908.59 | |
| Balance, December 31, 1926 | 663.55 | |
| | | $217,572.14 |

CHARLES W. GOODING. *Treasurer.*

Boston, January 14, 1928.

Audited and found correct

WM. H. LORING,
HENRY W. PORTER,
J. E. DOWNEY
} *Auditing Committee.*

### STATEMENT OF ASSESSMENTS MADE IN 1927

| | | |
|---|---|---|
| July 1, 1926, to December 31, 1926: | | |
| Premiums on Fire & Sprinkler Damage | $4,068,213.77 at 2% | $81,311.95 |
| January 1, 1927, to July 1, 1927: | | |
| Premiums on Fire & Sprinkler Damage | $4,636,196.69 at 2% | $92,724.92 |
| | | $174,036.87 |
| Assessments not Paid | | 3,249.54 |
| | | $170,787.33 |
| July 1, 1927, to December 31, 1927: | | |
| Premiums on Fire & Sprinkler Damage | $4,418,886.41 at 2% | $88,377.68 |

# SUPERINTENDENT'S REPORT.

HEADQUARTERS BOSTON PROTECTIVE DEPARTMENT.
OFFICE OF SUPT., NO. 40 PURCHASE ST.

BOSTON, January 1st, 1928.

TO THE PRESIDENT AND BOARD OF DIRECTORS:

Gentlemen:—I herewith submit the Fifty-fourth Annual Report of operations of the Department for the year ending December 31st, 1927.

## CALLS AND SERVICE

The department responded to 3,412 City boxes, 2,559 Verbal, 148 Boston Automatic Fire Alarms, 136 American District Telegraph, which includes 72 Sprinkler Breaks, 161 Sprinkler Troubles, Total 6285; also 25 Water Damages, Total calls 6310.

The service rendered was 66 fire extinguishers used, 7,592 covers spread on merchandise at fires and other calls, 376 covers on roofs, 208 covers protecting merchandise after fires from storms. Total covers used 8,176.

The hours service were 4,212.55 at fires, 257.54 protecting merchandise &c after fires, and 2,441.58 privates detailed after fires. Total 6,912.47.

OF THE 7,351 ALARMS, 4,810 ALARMS OR 65.43 PER CENT WERE WITHOUT LOSS. (See grade of losses.)

The total loss on buildings, contents, rents, vessels and cargoes was $3,937,329.78 divided as follows;

| | Losses | | |
|---|---|---|---|
| | Insured | Not Insured | Totals |
| Buildings | $ 1,928,108.41 | $ 62,582.07 | $1,990,690.48 |
| Contents | 1,573,686.00 | 130,265.21 | 1,703,951.21 |
| Rents | 9,957.16 | ——— | 9,957.16 |
| Vessels | 222,457.37 | 10,273.56 | 232,730.93 |
| Cargoes | ——— | ——— | ——— |
| Totals | $3,734,208.94 | $203,120.84 | $3,937,329.78 |

## WATER DAMAGE OTHER THAN FIRES.

| | Losses | | |
|---|---|---|---|
| | Insured | Not Insured | Total |
| Building | | $1,445.00 | $1,445.00 |
| Contents | ——— | 6,417.00 | 6,417 00 |
| | | $7,862.00 | $7,862.00 |

Total calls, 25 (18 with losses). On duty 21h. 37m. Covers spread 55.

## ORGANIZATION OF DEPARTMENT.

Superintendent, HENRY E. THOMPSON.

| Co. No. 1. 40 Purchase St. | Total | Co. No. 2. 4 Appleton St. | Total | Co. No. 3. 159-161 Roxbury St. | Total | Grand Total |
|---|---|---|---|---|---|---|
| Captain E. Abbott | 1 | S. A. McDonnell | 1 | A. F. Swift | 1 | 3 |
| Lieuts. J. J. Carty | | G. E. Blakeley | | M. J. Gleason | | |
| Lieuts. J. F. Sullivan | 2 | J. S. Weir | 2 | B. J. McTernan | 2 | 6 |
| First Grade Privates | 24 | | 21 | | 17 | 62 |
| Third " " | | | 1 | | | 1 |
| Totals | 27 | | 25 | | 20 | 72 |

PENSIONERS

| | |
|---|---|
| CAPTAINS | 2 |
| FIRST GRADE PRIVATES | 1 |
| | 75 |

## OPERATIONS OF THE DEPARTMENT.

| | | Co.No. 1 | Co.No. 2 | Co.No. 3 |
|---|---|---|---|---|
| Responses to Alarms. | City Boxes | 922 | 1228 | 1972 |
| | Still | 537 | 747 | 1514 |
| | Automatic | 107 | 60 | 12 |
| | A. D. T. | 98 | 57 | 6 |
| | Totals | 1664 | 2092 | 3504 |
| Responded to by | Automobiles | 1344 | 2102 | 3329 |
| | Privates in outlying districts | 459 | ..... | 222 |
| Hours Duty | At fires and responding to calls | 1115.56 | 1262.46 | 1834.13 |
| | Assisting Fire Department | ..... | ..... | ..... |
| | After fires protecting mdse. | 102.46 | 91.19 | 63.49 |
| | Details after fires | 1277.09 | 691.38 | 473.11 |
| | Totals | 2495.51 | 2045.43 | 2371.13 |
| Covers Used | At fires and sprinkler calls | 3717 | 2217 | 1658 |
| | On roofs after fires | 160 | 111 | 105 |
| | Protecting mdse. after fires | 147 | 2 | 59 |
| | Totals | 4024 | 2330 | 1822 |
| Extinguishers used | | 20 | 26 | 20 |

*The Second Section was called in service as follows:*

| | | Co. No. 1 | Co. No. 2 | Co. No. 3 |
|---|---|---|---|---|
| On First Alarms | When first out section was at fire | 133 | 271 | 514 |
| | When both sec. were at previous fire | 14 | 33 | 46 |
| | While cov. adj. company district | 13 | 73 | 23 |
| On Second Alarms | | 20 | 23 | 15 |
| On Telephone calls | | 34 | 14 | 10 |
| On Messenger calls | | 1 | .... | .... |
| To Cover | Adjoining company district | 90 | 295 | 79 |
| | Totals | 305 | 709 | 687 |

| | Co.No. 1 | Co.No. 2 | Co.No. 3 |
|---|---|---|---|
| No. fires at which roofs were protected | 71 | 53 | 68 |

# SPRINKLER RECORD.

## FIRES.

| Sprinklers Operating | Heads | Sprinkler Heads Replaced | Heads | Where Sprinkler Heads Operated | Floors | Condition of System when left | No. |
|---|---|---|---|---|---|---|---|
| 10 Fires of 1 head each | 107 | 97 Fires of 1 head each | 97 | Sub-Basement | 3 | O. K. | 157 |
| 33 " " 2 heads " | 66 | 32 " " 2 heads " | 64 | Basement | 71 | Partially Operative | 12 |
| 9 " " 3 " " | 27 | 9 " " 3 " " | 27 | First-floor | 37 | Shut Off | 15 |
| 8 " " 4 " " | 32 | 8 " " 4 " " | 32 | Second " | 18 | | |
| 7 " " 5 " " | 35 | 5 " " 5 " " | 25 | Third " | 7 | | |
| 3 " " 6 " " | 18 | 3 " " 6 " " | 18 | Fourth " | 16 | | |
| 6 " " 7 " " | 42 | 6 " " 7 " " | 42 | Fifth " | 21 | | |
| 2 " " 8 " " | 16 | 1 " " 8 " " | 8 | Sixth " | 9 | | |
| 1 " " 9 " " | 9 | 1 " " 9 " " | 9 | Eighth " | 1 | | |
| 1 " " 11 " " | 11 | 1 " " 11 " " | 11 | Roof (Pent House) | 1 | | |
| * 2 " " 12 " " | 24 | | | | | | |
| 1 " " 27 " " | 27 | | | | | | |
| 1 " " 33 " " | 33 | | | | | | |
| 1 " " 39 " " | 39 | | | | | | |
| 1 " " 63 " " | 63 | | | | | | |
| † 1 " " 284 " " | 284 | | | | | | |
| 184 Totals | 833 | Totals | 333 | Totals | 184 | Totals | 184 |

* 1 Fire operated 1st and 2nd floors.
† 1 " " 3rd, 4th and 5th floors

## RUPTURED HEADS AND PIPES.

| Sprinklers Ruptured | Heads | Causes | No. | Condition of System when left | O. K. | Parti. oper. | Shut off |
|---|---|---|---|---|---|---|---|
| 40 Breaks of 1 head ea. | 40 | Water freezing in heads | 12 | Condition | 10 | 1 | 1 |
| 2 " " Couplings | | " " "couplings | 1 | " | | | 1 |
| 10 " " Elbows | | " " " elbows | 6 | " | 2 | 1 | 3 |
| 19 " " Pipes | | " " " pipes | 3 | " | | 2 | 1 |
| 1 " " Check Valve | | Defective heads | 15 | " | 14 | | 1 |
| | | " elbows | 1 | " | 1 | | |
| | | " pipes | 2 | " | 1 | 1 | |
| | | Striking couplings | 1 | " | | 1 | |
| | | " elbows | 2 | " | | | 2 |
| | | " heads | 12 | " | 8 | 2 | 2 |
| | | " pipes | 14 | " | 6 | 3 | 5 |
| | | Blowing out of plug | 1 | " | | | 1 |
| | | Workmen removing head | 1 | " | 1 | | |
| | | Unknown | 1 | " | | | 1 |
| 72 Totals | 40 | Totals | 72 | Totals | 43 | 11 | 18 |

## DUTY PERFORMED

Hours service 61h. 21m. Detailed duty 9h. 21m. Extra service 2h, 11m. Covers spread 177

## TROUBLES.

| | |
|---|---|
| Alarm pots, defective | 6 |
| Closing and opening valves (2 drip 1 cold weather) | 3 |
| Defective junction box | 1 |
| Low pressure | 2 |
| Leaky valves (drip) | 1 |
| Tampering with valves (1 drip 1 test) | 2 |
| Testing | 1 |
| Closing and turning on system | 3 |
| Striking manual box | 1 |
| Water hammer | 35 |
| " in dry pipe system | 41 |
| Working on system | 7 |
| Defective transmitter | 7 |
| Unknown | 51 |
| Totals | 161 |

## DUTY PERFORMED

Hours service 75h. 54m. Detailed duty 10h. 23m.
Extra Service 2h. 40m.

## DISTRICTS WHERE FIRES OCCURRED OR ALARMS WERE GIVEN

Including Fire Department Still Alarms.

| | |
|---|---|
| City Proper | 2295 |
| Roxbury District | 1152 |
| Charlestown | 286 |
| East Boston | 392 |
| South Boston | 457 |
| Dorchester | 1332 |
| West Roxbury | 677 |
| Brighton | 518 |
| Hyde Park | 225 |
| Boston Harbor | 1 |
| Brookline | 10 |
| Cambridge | 1 |
| Dedham | 1 |
| Somerville | 1 |
| Milton | 1 |
| Newton | 2 |
| Total | 7,351 |

## WHEN ALARMS OCCURRED

| Months | | Days of Week. | | Hours of the Day | | |
|---|---|---|---|---|---|---|
| 1927 | | | | | | |
| January | 603 | Monday | 1119 | Day Service | 6 to 7 A.M. | 85 |
| February | 458 | Tuesday | 961 | | 7 to 8 " | 171 |
| March | 844 | Wednesday | 994 | | 8 to 9 " | 185 |
| April | 1179 | Thursday | 1050 | | 9 to 10 " | 257 |
| May | 424 | Friday | 1072 | | 10 to 11 " | 331 |
| June | 651 | Saturday | 1168 | | 11 to 12 Noon | 351 |
| July | 531 | Sunday | 987 | | 12 to 1 P. M. | 386 |
| August | 419 | | | | 1 to 2 " " | 404 |
| September | 466 | | | | 2 to 3 " | 412 |
| October | 499 | | | | 3 to 4 " | 394 |
| November | 564 | | | | 4 to 5 " | 466 |
| December | 713 | | | | 5 to 6 " | 535 |
| | | | | | 6 to 7 " | 466 |
| | | | | Night Service | 7 to 8 " | 452 |
| | | | | | 8 to 9 " | 496 |
| | | | | | 9 to 10 " | 465 |
| | | | | | 10 to 11 " | 398 |
| | | | | | 11 to 12 Midnight | 272 |
| | | | | | 12 to 1 A. M. | 250 |
| | | | | | 1 to 2 " | 169 |
| | | | | | 2 to 3 " | 121 |
| | | | | | 3 to 4 " | 91 |
| | | | | | 4 to 5 " | 91 |
| | | | | | 5 to 6 " | 103 |
| Totals | *7351 | | *7351 | | | *7351 |

*5 Fires extinguished by occupants are included in these totals.

# STATEMENT BY MONTHS

## Of Alarms for Fires Responded to by One or More Companies of this Department, Together with Other Statistics

| Months. | Alarms attended by this Dept. | | | | Extinguished by occupant. No alarm given. | Water Damage Calls. | Still Alarms attended by Fire Department only. | Total Alarms. | Sprinklers operated on fires. | Sprinkler breaks or defects | Alarms for fires on vessels | Covers Spread | | | Extinguishers used. | Duty at fire and responding to calls | Duty after fires protecting mdse. | Detail after fires. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | City Boxes. | Still. | Automatic. | A. D. T. | | | | | | | | At fires and sprinkler calls. | On roofs after fires. | Protecting mdse. after fires. | | Hrs. m | Hrs. m | Hrs. m |
| Jan. 1927 | 270 | 261 | 17 | 18 | 1 | 9 | 36 | 612 | 18 | 42 | 0 | 866 | 41 | 18 | 4 | 467.36 | 31.59 | 366.53 |
| Feb. " | 203 | 199 | 12 | 11 | 2 | 0 | 29 | 456 | 16 | 21 | 2 | 613 | 17 | 55 | 0 | 307.38 | 21.13 | 179.36 |
| Mar. " | 363 | 339 | 17 | 7 | 1 | 0 | 115 | 842 | 18 | 11 | 1 | 912 | 30 | 17 | 7 | 518.16 | 22.40 | 303.57 |
| April " | 507 | 335 | 17 | 12 | 1 | 1 | 303 | 1176 | 26 | 18 | 2 | 1161 | 63 | 20 | 7 | 596.46 | 34.37 | 321.48 |
| May " | 212 | 134 | 9 | 12 | 0 | 2 | 57 | 426 | 12 | 17 | 4 | 543 | 40 | 3 | 7 | 256.29 | 17.06 | 107.58 |
| June " | 328 | 204 | 14 | 4 | 0 | 1 | 99 | 650 | 17 | 9 | 4 | 607 | 30 | 1 | 7 | 353.54 | 15.20 | 167.21 |
| July " | 266 | 170 | 9 | 6 | 0 | 2 | 79 | 532 | 10 | 12 | 2 | 414 | 31 | 0 | 13 | 278.09 | 17.18 | 150.30 |
| Aug. " | 226 | 131 | 6 | 14 | 0 | 4 | 41 | 422 | 15 | 20 | 2 | 712 | 43 | 73 | 1 | 260.27 | 37.40 | 317.31 |
| Sept. " | 234 | 143 | 9 | 13 | 0 | 2 | 66 | 467 | 10 | 12 | 1 | 116 | 7 | 0 | 8 | 204.20 | 2.58 | 68.16 |
| Oct. " | 253 | 178 | 14 | 7 | 0 | 1 | 47 | 500 | 10 | 18 | 0 | 296 | 30 | 0 | 5 | 264.31 | 8.23 | 66.43 |
| Nov. " | 275 | 186 | 12 | 21 | 0 | 2 | 70 | 566 | 18 | 28 | 1 | 349 | 12 | 0 | 6 | 287.00 | 10.58 | 204.18 |
| Dec. " | 305 | 279 | 12 | 11 | 0 | 1 | 103 | 711 | 14 | 25 | 3 | 1003 | 32 | 21 | 1 | 417.49 | 37.42 | 187.07 |
| Totals | 3442 | 2559 | 148 | 136 | 5 | 25 | 1045 | 7360 * | 184 | 233 | 22 | 7592 | 376 | 208 | 66 | 4,212.55 | 257.54 | 2,441.58 |

* 16 Alarms for assistance from other cities and towns not included

# GRADE OF LOSSES FOR 1927.

| | | | |
|---|---|---|---|
| 4810 | Alarms with no loss | | |
| 957 | Fires with loss under $100 | | $37,298.11 |
| 792 | " " " from $100 to $500 | | 182,514.85 |
| 211 | " " " " $500 to $1,000 | | 149,481.39 |
| 397 | " " " " $1,000 to $5,000 | | 899,112.68 |
| 75 | " " " " $5,000 to $10,000 | | 512,740.09 |
| 19 | " " " " $10,000 to $15,000 | | 226,657.01 |
| | Over $15,000 | | |
| 1 | Jan. 3, 1927 | 5 Albany St., Sobel Shoe Co., Inc. | 20,338.06 |
| 1 | " 12, " | 286 Walnut Ave., S. Schucker, et al | 18,440.00 |
| 1 | " 12, " | 109-11 Waumbeck St., J. Gray, et al | 23,287.50 |
| 1 | " 13, " | 531-7 Albany St., Gordon Supply Co., et al | 152,254.19 |
| 1 | " 13, " | 15-17 Columbia St., Macey Morris Co., et al | 41,389.51 |
| 1 | " 24, " | 83 Newbury St., Musicians Supply Co., et al | 50,037.85 |
| 1 | " 26, " | 650-4 Centre St., A. S. Pearlman, et al | 19,287.63 |
| 1 | " 27, " | 133-9 North St., A. Baldini Co., et al | 19,251.70 |
| 1 | Feb. 24, " | 332-4 A St., American Storage Battery Co., et al | 42,632.72 |
| 1 | Mar. 6, " | 15-18 City Sq. & 2-10 Park St., Waverly Clothing Co., et al | 16,637.50 |
| 1 | " 25, " | 326-38 Atlantic Ave. & 1-2 Rowes Whf., Argonaut Club, et al | 37,186.00 |
| 1 | " 30, " | 668-72 Centre St., I. Rosnov, et al | 33,622.11 |
| 1 | Apr. 1, " | 211-13 A St., Sherwin-Sheppard Co., et al | 50,558.58 |
| 1 | " 3, " | 7-9 Fish Pier, Whitman, Ward & Lee Co., et al | 22,247.56 |
| 1 | " 8, " | 268-76 Franklin St., E. I. DuPont de Nemours & Co., et al | 22,600.00 |
| 1 | " 10, " | 145-55 Brighton Ave., T. Murphy, et al | 77,286.03 |
| 1 | " 13, " | 32-4 Dorchester Ave., Foss & Co., Inc., et al | 32,616.63 |
| 1 | " 13, " | 47-53 Farnsworth St., Corn Product Sales Co., et al | 25,386.70 |
| 1 | " 14, " | 24 Crowell St., R. Shuman, et al | 18,111.71 |
| 1 | " 16, " | Boylston & Amory Sts., Boylston Congregational Church | 17,235.20 |
| 1 | " 21, " | 349 Newbury St., School of Fine Arts & Crafts, et al | 45,687.21 |
| 1 | " 24, " | 16-18 Brighton St., National Furniture Co., et al | 16,691.45 |
| 1 | " 30, " | 73-5 South St., M. N. Berkovitch, et al | 48,210.00 |
| 1 | May 20, " | 321-5 Summer St., Howe & Fenlon, et al | 44,606.65 |
| 1 | " 24, " | 67 Nottinghill Rd., W. A. Hermanson, et al | 26,574.80 |
| 1 | " 27, " | 88-90 Commercial Whf., E. F. Houghton & Co., et al | 37,940.27 |
| 1 | " 28, " | 28-36 Merchants Row, Apts Dairy Lunch, et al | 17,568.10 |
| 1 | June 4, " | 145-9 Staniford St., United Wearing Apparel, Inc., et al | 53,376.24 |
| 1 | " 12, " | 24 North St., W. T. Crowther & Son, et al | 16,892.24 |
| 1 | " 22, " | 47 Bay State Rd., W. L. Shearer, et al | 133,749.00 |
| 1 | July 16, " | 11 Columbia St., J. Hetherington & Sons, et al | 81,088.88 |
| 1 | Aug. 24, " | 112-14 Sudbury St., Bankers Electric Protective Ass'n. et al | 46,573.91 |
| 1 | Sept. 8, " | Brighton Abbatoir, Butcher's Slaughtering & Melting Ass'n. | 35,798.00 |
| 1 | Oct. 3, " | 42-8 Woodlawn Ave., J. J. Noonan Est., et al | 44,649.00 |
| 1 | " 5, " | 35 Hawkins St., C. H. Graves & Sons, et al | 68,821.30 |
| 1 | " 11, " | 89-95 Summer St., J. F. Kilderry, et al | 15,315.27 |
| 1 | " 18, " | 243 North St., Lovell & Covell Co., et al | 15,761.55 |
| 1 | Nov. 1, " | 2101-15 Washington St., Signal Shoe Co., et al | 19,079.57 |
| 1 | " 14, " | Cambridge St., Boston & Albany R. R. | 47,483.34 |
| 1 | " 24, " | 45 Englewood Ave., C. Dodd, et al | 17,393.00 |
| 1 | Dec. 16, " | 68-70 Bartlett St., J. Ross, et al | 62,679.46 |
| 1 | " 25, " | 170-2 Washington St., S. J. Beckwith & Co., et al | 16,226.46 |
| 1 | " 26, " | 26-8 Commonwealth Ter, Mrs. S. F. Healey, et al | 17,115.68 |
| 1 | " 27, " | 26-32 Atlantic Ave., P. Goldstein Co. | 17,149.00 |
| 7305 | | | 3,694,641.69 |
| 11 | Marine Losses | | 232,730.93 |
| 7316 | | | 3,927,372.62 |
| | Rent Losses | | 9,957.16 |
| | | | 3,937,329.78 |
| 35 | Sprinkler Losses (no fire) | $20,929.97 | |
| 7351 | | | |

## CAUSES OF ALARMS AND OF ALARMS WITH LOSS DURING 1927.

| | | Alarms | Alarms with Loss |
|---|---|---|---|
| a1 | Assistance beyond City Limits | 16 | |
| | Arson | | |
| | Ashes | | |
| | Benzine | | |
| | Boilers | | |
| 1 | Chimneys, Flues, Cupolas and Stacks, overheated or defective | 87 | 44 |
| | Cigars, Cigarettes and Pipes | | |
| 2 | Conflagration | | |
| | Cotton Pickers | | |
| 3 | Electricity | 537 | 259 |
| 4 | Explosions | 200 | 79 |
| 5 | Exposure | 123 | 116 |
| 5a | False and Needless Alarms | 468 | |
| 6 | Fireworks, Fire Crackers, Balloons, etc. | 36 | 23 |
| | Flues | | |
| 7 | Friction—Sparks—Occasioned by running machinery, including Pickers, Carding Machines, Gins, etc. | 34 | 16 |
| | Furnaces | | |
| | Gas | | |
| 8 | Gas—Natural and Artificial | 53 | 29 |
| | Gasolene | | |
| 9 | Hot Ashes and Coals | 79 | 36 |
| 10 | Hot Grease, Oil, Tar, Wax, Asphalt, ignition of | 113 | 38 |
| 11 | Hot or Molten Metal | 4 | 4 |
| | Hot Water Pipes | | |
| 12 | Incendiarism | 36 | 26 |
| | Kerosene (See No. 19; also Explosions No. 4) | | |
| 13 | Lightning—buildings rodded | | |
| 14 | Lightning—buildings not rodded | 9 | 7 |
| | Locomotives | | |
| 15 | Matches | 796 | 525 |
| 16 | Miscellaneous—Cause known but not Classified | 392 | 47 |
| 17 | Open Fires | 109 | 5 |
| 18 | Open Lights | 122 | 79 |
| 19 | Petroleum and its products | 73 | 29 |
| | Pickers | | |
| | Railroad | | |
| 19a | Rekindling of a previous fire | 10 | 1 |
| 20 | Rubbish and Litter | 1674 | 13 |
| 21 | Smoking | 622 | 413 |
| 22 | Sparks—Arising from combustion | 145 | 74 |
| 23 | Sparks on Roof | 80 | 61 |
| 24 | Spontaneous Combustion | 112 | 60 |
| 24a | Sprinklers | 233 | 35 |
| | Stacks | | |
| 25 | Steam and Hot Water Pipes | 16 | 7 |
| 26 | Stoves, Furnaces, Boilers and their pipes | 763 | 155 |
| | Stove Pipes | | |
| 27 | Unknown | 409 | 360 |
| 28 | **Unknown origin but investigation important** | | |
| | Totals. | 7351 | 2541 |

This table includes 1045 fire department still alarms of which we were not notified, and 5 fires for which no alarms were given but which were extinguished by occupants.

# STATEMENT BY MONTHS OF INSURANCE AND LOSSES.

| Months | Buildings | | | Contents | | | Rents | | Vessels | | Sprinkler Losses (no fire) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Insurance | Loss Insured. | Loss not Ins. | Insurance. | Loss Insured. | Loss not Ins. | Insurance. | Loss | Insurance. | Loss | Insurance | Loss |
| Jan. 1927 | $5,411,354.20 | $252,411.37 | $7,991.85 | $3,733,149.00 | $288,706.54 | $12,776.63 | $50,000.00 | $5,446.16 | | | $96,500.00 | $1,203.00 |
| Feb. " | 3,266,468.81 | 109.985.85 | 1,056.32 | 1,726,820.75 | 98,906.15 | 4,316.00 | | | $45,000.00 | $2,194.00 | | 25.00 |
| Mar. " | 14,318,088.34 | 196,784.63 | 6,119.63 | 1,227,467.00 | 134,352.27 | 18,867.85 | | | | | 57,500.00 | 1,188.49 |
| April " | 7,570,213.90 | 280,484.77 | 5,065.77 | 2,231,205.32 | 283,898.31 | 36,503.79 | | | 10,000.00 | 750.00 | 15,250.00 | 916.81 |
| May " | 9,590,786.00 | 131,022.58 | 1,241.88 | 1,760,384.00 | 114,188.29 | 6,859.50 | | | 5,000.00 | 2,025.37 | 72,500.00 | 154.24 |
| June " | 8,662,128.00 | 212,609.07 | 15,206.00 | 1,730,326.00 | 162,615.05 | 6,547.80 | 39,500.00 | 525.00 | 213,943.00 | 214,530.00 | 48,000.00 | 902.20 |
| July " | 3,534,429.00 | 89,410.32 | 1,107.07 | 896,453.00 | 119,901.83 | 3,459.57 | | | 50,000.00 | 1,470.00 | 85,000.00 | 175.84 |
| Aug. " | 3,767,000.00 | 100,408.44 | 2,065.00 | 521,860.00 | 70,258.98 | 7,658.78 | 2,800.00 | 725.00 | | 25.00 | | 72.00 |
| Sept. " | 4,770,501.00 | 71,442.49 | 11,046.72 | 1,324,584.00 | 33,409.78 | 1,729.00 | | | | | | |
| Oct. " | 6,257,454.00 | 130,826.18 | 6,183.60 | 809,970.00 | 83,908.57 | 10,187.29 | 18,000.00 | 1,950.00 | | | 29,000.00 | 799.60 |
| Nov. " | 2,694,332.00 | 155,408.95 | 2,865.00 | 519,307.00 | 65,902.48 | 4,857.00 | 2,700.00 | 900.00 | | | 7,500.00 | 1,344.50 |
| Dec. " | 8,947,184.72 | 197,313.76 | 2,633.23 | 2,468,679.00 | 117,637.75 | 16,502.00 | 101,800.00 | 411.00 | 10,000.00 | 11,736.56 | 261,900.00 | 14,148.29 |
| Totals | $78,789,939.97 | $1,928,108.41 | $62,582.07 | $18,953,205.07 | $1,573,686.00 | $130,265.21 | $214,800.00 | $9,957.16 | $333,943.00 | *$232,730.93 | $673,150.00 | $20,929.97 |

*Loss on Vessels not insured $10,273.56.
*Insured loss on Vessels $222.457.37.

# STATISTICS FOR YEAR ENDING DECEMBER 31, 1927

| | | | |
|---|---|---|---|
| Population | | | 799,200 |
| Area Square Miles | | | 47.81 |
| Number of Brick, Stone, Concrete, Steel frame, B, etc. | | 40,093 | *127,921 |
| " " Wooden Buildings | | 87,828 | |
| " " Alarms, exclusive of False and Needless | | 6,634 | 7,351 |
| " " False and Needless Alarms | | 468 | |
| " " Calls to assist other Cities and Towns | | 16 | |
| " " Sprinkler System breaks and defects | | 233 | |
| " " Fires in Brick and Stone Buildings | | 2,385 | 6,634 |
| " " Fires in Wooden Buildings | | 1,552 | |
| " " Fires in Concrete Blocks | | 62 | |
| " " Fires in Fireproof | | 2 | |
| " " Fires in Ironclad | | 13 | |
| " " Fires in Reinforced Concrete | | 0 | |
| " " Fires not originating in Buildings | | 2,620 | |
| " " Fires confined to floor where fire originated | 3,542 | 4,014 | 6,634 |
| " " " confined to Building but not to floor of origin | 348 | | |
| " " " extending to adjoining Building | 97 | | |
| " " " extending beyond adjoining Building | 27 | | |
| " " " originating in Automobiles | 589 | 2,620 | |
| " " " not originating in Buildings | 1,964 | | |
| " " " not originating in, but involving Buildings | 67 | | |

* January 1, 1928. By courtesy of City of Boston Building Department.

| | Buildings including Docks, Vessels, Tank and Permanent Fixtures. | Contents | Total |
|---|---|---|---|
| Total Insurance on the property on which claim for loss was made | $79,123,882.97 | $18,953,205.07 | $98,077,088.04 |
| Total Insurance Loss | 2,150,565.78 | 1,573,686.00 | 3,724,251.78 |
| Total Loss (insured and uninsured) | 2,223,421.41 | 1,703,951.21 | 3,927,372.62 |
| Rents insured | | | 9,957.16 |
| Losses on buildings and contents in which fires originated, i.e., direct losses | 2,162,571.54 | 1,687,425.73 | 3,849,997.27 |
| Losses on buildings and contents in which the fires did not originate i.e., exposure losses | 60,849.87 | 16,525.48 | 77,375.35 |

## Review of grade of losses for ten years

| Years | Total Al'm. | No Loss | Under $100 | $100 to 500 | $500 to 1000. | $1000 to 5000. | $5000 to 10,000 | $10,000 to 15,000 | Over 15,000 |
|---|---|---|---|---|---|---|---|---|---|
| 1918 | 5433 | 3617 | 892 | 531 | 115 | 191 | 30 | 10 | 35 |
| 1919 | 5647 | 3687 | 903 | 574 | 155 | 208 | 30 | 17 | 26 |
| 1920 | 4688 | 2928 | 780 | 536 | 135 | 223 | 37 | 15 | 34 |
| 1921 | 5268 | 3320 | 820 | 612 | 167 | 227 | 53 | 25 | 44 |
| 1922 | 6184 | 4048 | 886 | 651 | 198 | 285 | 59 | 17 | 40 |
| 1923 | 7377 | 5069 | 977 | 693 | 168 | 319 | 76 | 33 | 54 |
| 1924 | 8117 | 5428 | 1037 | 804 | 239 | 405 | 105 | 40 | 59 |
| 1925 | 7678 | 4998 | 1005 | 831 | 253 | 390 | 104 | 31 | 66 |
| 1926 | 7787 | 5078 | 1045 | 773 | 277 | 422 | 90 | 39 | 63 |
| 1927 | 7351 | 4810 | *977 | *802 | *219 | *401 | *75 | *22 | 44 |

*35 Sprinkler losses included, viz., 17 under $100. 9 from $100 to $500. 7 from $500 to $1,000. 1 from $1,000 to $5,000. 1 from $10,000 to $15,000.

## Review of total alarms, fires with loss, loss, average loss of total alarms, and average loss of fires with loss, for ten years

| Years. | Total Alarms. | Fires with Loss | Loss. | Average Loss of Total Alarms. | Average Loss of Fires with Loss. |
|---|---|---|---|---|---|
| 1918 | 5,433 | 1,774 | $2,827,612.34 | $520.45 | $1,593.92 |
| 1919 | 5,647 | 1,921 | 2,581,085.15 | 457.07 | 1,343.61 |
| 1920 | 4,688 | 1,707 | 3,143,528.89 | 670.54 | 1,841.55 |
| 1921 | 5,268 | 1,910 | 4,017,158.64 | 762.56 | 2,103.22 |
| 1922 | 6,184 | 2,109 | 3,331,485.17 | 538.73 | 1,568 88 |
| 1923 | 7,377 | 2,271 | 6,323,331.48 | 857.17 | 2,784.38 |
| 1924 | 8,117 | 2,626 | 4,825,216.13 | 594.48 | 1,837.48 |
| 1925 | 7,678 | 2,632 | 5,474,749.06 | 713.04 | 2,080.07 |
| 1926 | 7,787 | 2,709 | 5,268,941.87 | 676.63 | 1,944.98 |
| 1927 | 7,351 | †2,541 | 3,937,329.78 | 535.62 | 1,549.52 |

The above tables include Still Alarms.

† Does not include 35 Sprinkler losses.

In conclusion, I desire to express my sincere thanks to all departments or persons who have in any way assisted this Department during the past.

Respectfully submitted,

H. E. THOMPSON,

*Superintendent of Department.*

## MEDICAL EXAMINER'S REPORT

1927

HENRY E. THOMPSON,

*Supt. Boston Protective Department.*

*Dear Sir:*—Your Medical Officer respectfully submits the following report for the year ending December 31, 1927:

| | |
|---|---|
| Promotions. Examinations for | 26 |
| Members. Visits to sick | 33 |
| Members. Visits to injured | 21 |
| Physicians reports. Attending | 98 |
| Special reports | 2 |
| Certificates. Return to duty | 51 |

W. F. TEMPLE Jr., M. D.

*Medical Officer, Boston Protective Department.*

## DESCRIPTIVE LIST OF MOTOR APPARATUS

| Rotation | Put in Service. | Maker's name | No. | Cooling System | Cylinders. No. | Cylinders. Size. | Cylinders. H.P. | Wheel Base. | Tire size. Front. | Tire size. Rear. | Weight Loaded. | Company Assigned | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Oct. 17, 1910 | Knox Auto. Co. | 3788 | W | 4 | 5½ | 48 | 128 | 38 x 7 | 40 x 8 | 11,000 | 2 | |
| 7 | Nov. 10, 1914 | The White Co. | 21625 | W | 6 | 4¼ | 43 | 158½ | 38 x 7 | 40 x 8 | 10,500 | 1 | |
| 8 | " " " | " " " | 21626 | W | 6 | 4¼ | 43 | 158½ | 38 x 7 | 40 x 8 | 10,530 | 1 | |
| 10 | Aug. 18, 1916 | " " " | 26414 | W | 6 | 4¼ | 43 | 158½ | 38 x 7 | 40 x 8 | 10,700 | 3 | Condemned |
| 13 | Sep. 19, 1919 | " " " | 51184 | W | 4 | 4¼ | 28 | 157 | 38 x 7 | 40 x 8 | 10,700 | 2 | |
| 14 | Sep. 4. 1920 | Ford | 4051284 | W | 4 | 3¾ | 22 | 123 | 30 x 3½ | 32 x 4½ | ..... | 3 | |
| 15 | Sep. 4, 1923 | Mack Motor Co. | 471420 | W | 4 | 4¼ | 28 | 146½ | 38 x 7 | 40 x 8 | 10,700 | 2 | |
| 16 | Mar. 24. 1924 | " " " | 472114 | W | 4 | 4¼ | 28 | 146½ | 38 x 7 | 40 x 8 | 9,630 | 3 | |
| 17 | Aug. 5. 1924 | " " " | 472115 | W | 4 | 4¼ | 28 | 146½ | 38 x 7 | 40 x 8 | 11,000 | 1 | |
| 18 | Mar. 14. 1927 | " " " | 474143 | W | 4 | 4¼ | 28 | 146 | 38 x 7 | 40 x 8 | 10,420 | 2 | |
| E | May 2, 1924 | The Buick Co. | 1188871 | W | 6 | 3⅜ | 27 | 128 | 33 x 5 | 33 x 5 | ..... | S | Turned in |
| F | Jun. 10, 1927 | " " " | 1858257 | W | 6 | 3½ | 29 | 120 | 33 x 600 | 33 x 600 | ..... | S | |

W — Water.

S Superintendent

## CALLS RESPONDED TO AND MILES TRAVELLED

| No. | Years | Calls | Miles | 1927 Calls | 1927 Miles | Totals Calls | Totals Miles |
|---|---|---|---|---|---|---|---|
| 3 | 1910-1926 Inclusive | 8,089 | 19,041.3 | 13 | 50.9 | 8,102 | 19,192.2 |
| 7 | 1914-1926 " | 6,640 | 11,691.0 | 591 | 1,430.4 | 7,231 | 13,121.4 |
| 8 | 1914-1926 " | 6,827 | 12,599.2 | 594 | 3,131.6 | 7,421 | 15,730.8 |
| 10 | 1916-1926 " | 6,393 | 28,914.0 | 1,277 | 6,496.8 | 7,670 | 35,410.8 |
| 13 | 1918-1926 " | 6,395 | 15,588.2 | 284 | 628.6 | 6,679 | 16,216.8 |
| 14 | 1920-1926 " | ..... | 13,790.1 | ..... | 1,868.0 | ..... | 15,658.5 |
| 15 | 1923-1926 " | 5,017 | 14,202.1 | 719 | 2,183.0 | 5,736 | 16,385.1 |
| 16 | 1924-1926 " | 3,053 | 15,111.6 | 1,428 | 7,190.0 | 4,481 | 22,301.6 |
| 17 | 1924-1926 " | 1,296 | 2,607.9 | 649 | 1,229.0 | 1,945 | 3,836.9 |
| 18 | | ..... | ..... | 1,311 | 3,385.0 | 1,311 | 3,385.0 |
| E | 1924-1926 " | ..... | 24,769.6 | ..... | 4,487.0 | ..... | 29,256.6 |
| F | | ..... | ..... | ..... | 8,794.0 | ..... | 8,794.0 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Put in service | | Nov. 10, 1914. | Nov. 10, 1914 | Oct. 17, 1910 | Aug. 8, 1916 | Sept. 19, 1919 | Sept. 4, 1920 | Sept. 4, 1923 | Mar. 24, 1924 | May 2, 1924 | Aug. 5, 1924 | Mar. 14, 1927 | Jun. 10, 1927 |
| Makers | | The White Co. | The White Co. | Knox Motor Co | The White Co | The White Co. | Ford | Mack Motor Co. | Mack Motor Co. | The Buick Co. | Mack Motor Co. | Mack Motor Co. | The Buick Co. |
| Company Nos. | | 1. | 1a. | 2. | 3. | 2a. | Service | 2 | 3. | | 1. | 2. | |
| Makers No. | | 21625 | 21626 | 3788 | 26414 | 51184 | 4051284 | 471420 | 472114 | 1188871 | 472115 | 414143 | 1858257 |
| Expense | | 1927 | 1927 | 1927 | 1927 | 1927 | 1927 | 1927 | 1927 | 1927 | 1927 | 1927 | 1927 |
| **Body—** | Repairs | $ .... | $ .... | $ .... | $ .... | $ .... | $ 43.75 | $ 27.50 | $ .50 | $ 4.15 | $ .... | $ .... | $ 1.20 |
| | Painting | 6.14 | 4.35 | 1.74 | 2.70 | 3.25 | 6.25 | 1.74 | 4.15 | .... | 6.14 | .... | .... |
| | Bell | .... | .... | .... | 1.00 | .... | .... | .... | 13.50 | .... | .... | 5.50 | 6.35 |
| **Chassis—** | Repairs | 10.95 | 118.90 | 74.76 | 308.38 | 31.70 | 5.22 | 22.67 | 135.88 | 7.80 | 1.14 | 8.03 | 6.40 |
| | Shock Absorber | .... | .... | .... | .... | .... | .... | .... | .... | ... | .... | .... | .... |
| **Electric—** | Lighting | 3.28 | 20.29 | 11.06 | 5.40 | 7.03 | 13.66 | 1.32 | 29.89 | 2.07 | 3 28 | 1.32 | .... |
| | Starting | .... | 13.88 | 11.07 | .60 | 8.32 | .... | .... | .... | .... | .... | . .. | .... |
| | Batteries | .25 | 56.05 | 39.60 | .... | .... | .... | 25.46 | 30.46 | 3.00 | .... | .... | .... |
| **Engine—** | Repairs | 44.90 | 21.88 | 19.80 | 144.06 | 5.32 | 238.75 | 85.33 | 179.50 | 3.45 | 46.91 | 8.78 | 16.05 |
| **Cases—** | New | 268.65 | 198.00 | 198.00 | 70.65 | 99 00 | .... | 151.30 | 248.15 | 65.90 | 198.00 | 70.65 | .... |
| | Repairs | .... | .... | .... | .... | .... | .... | .... | .... | 5.00 | .... | .... | .... |
| **Tubes—** | New | 42.70 | 23.90 | 23.90 | 9.40 | 11.95 | 1.60 | 32.05 | 31.80 | 7.50 | 23.90 | 9.40 | .... |
| | Repairs | 7.50 | .... | .... | 2.00 | 2.75 | .... | 5.50 | 2.00 | 2.75 | .... | .... | 3.25 |
| **Rims—** | New | .... | .... | .... | 15.00 | .... | .... | .... | .... | .... | .... | .... | .... |
| | Repairs | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| **Chains, etc.** | Chains | .... | 8.75 | .... | .... | 17.50 | 4.37 | 26.25 | 13.13 | 17.50 | .... | 17.75 | .... |
| | Hooks | .... | .... | .... | .... | 1.00 | .... | 1.00 | .... | .50 | .... | 1.00 | .... |
| | Spreaders | .... | .... | .... | .... | .... | .... | .... | .... | 1.00 | .... | .... | .... |
| **Accessories** | | 9.00 | 14.50 | 4.25 | 10.87 | 2.63 | 5.50 | 6.00 | 14.19 | .... | .... | .... | 11.15 |
| Totals | | $393.37 | $480.50 | $384.18 | $570.06 | $190.45 | $319.10 | $386.12 | $703.15 | $120.62 | $279.37 | $122.43 | $44.40 |

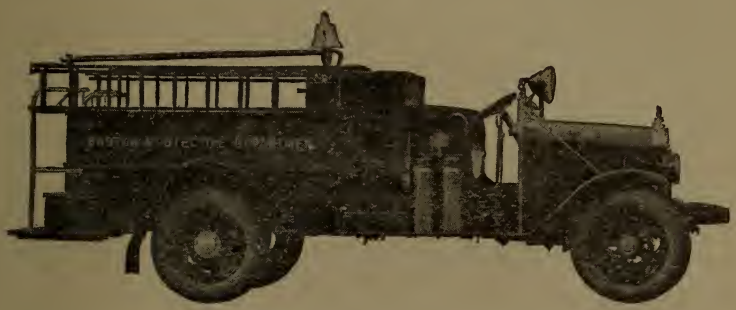
## SUPPLIES AND TOOLS

| | Co. No. 1 | Co. No. 2 | Co. No. 3 | Total |
|---|---|---|---|---|
| Gasoline | $227.00 | $259.00 | $884.00 | $1370.00 |
| Oils | 68.60 | 35.04 | 319.83 | 423.47 |
| Grease | 3.00 | 12.00 | 18.00 | 33.00 |
| Soap | 20.84 | 17.40 | 32.14 | 70.38 |
| Polish | 22,50 | 18.00 | 12.00 | 52.50 |
| Tools new and repd | 1.65 | 3.90 | .59 | 6.14 |
| Totals | $343.59 | $345.34 | $1266.56 | $1955.49 |

*4353.53

# Boston Protective Department

April 9, 1929



## FIFTY-FIFTH

# ANNUAL REPORT

FOR THE CALENDAR YEAR

1928

FIFTY-FIFTH

# ANNUAL REPORT

OF THE

# Boston Protective Department

FROM

January 1, 1928 to January 1, 1929

# OFFICERS

---

*President:*

T. H. RATIGAN

*Vice-President:*

G. B. PROCTOR

*Directors:*

TO SERVE UNTIL MARCH, 1929

BURTON S. FLAGG A. W. BURKE

G. B. PROCTOR

TO SERVE UNTIL MARCH, 1930

T. H. RATIGAN A. K. POPE

WILLARD C. HILL

TO SERVE UNTIL MARCH, 1931

J. J. CORNISH H. G. FAIRFIELD

EDMUND WINCHESTER

*Secretary-Treasurer:*
CHARLES W. GOODING

*Superintendent:*
H. E. THOMPSON

*Medical Officer:*
DR. WM. F. TEMPLE, JR.

Boston, January 1, 1929.

To the Members of the
Boston Protective Department:

The Directors submit herewith the 55th Annual Report of the Department with the reports of the Superintendent, Treasurer, Medical Officer and statistical tables.

The Board recommends, first, that the active duties of the Department be continued for another year; second, that the Directors be authorized to expend for the maintenance of the Department during the year a sum not exceeding two hundred and twenty thousand dollars.

For the Directors,

T. H. RATIGAN,

President.

## TREASURER'S REPORT

### CURRENT INCOME AND EXPENSE ACCOUNT FOR THE YEAR ENDING DECEMBER 31, 1928

| | | |
|---|---|---|
| RECEIPTS: | | |
| Assessments | $182,647.66 | |
| Interest | 552.27 | |
| Special Service | 2,119.03 | |
| Transferred from Reserve | 29,000.00 | |
| | | $214,318.96 |
| EXPENDITURES: | | |
| Pay Roll and Salaries | $177,146.82 | |
| Repairs of Houses | 384.47 | |
| Telephone and Fire Alarm | 1,364.85 | |
| Water, Light and Fuel | 3,378.33 | |
| Printing, Stamps and Office Supplies | 1,060.01 | |
| Auto Supplies and Repairs | 8,415.90 | |
| Miscellaneous Department Supplies | 2,167.98 | |
| New Equipment and Furnishings | 3,933.10 | |
| Repairs of Equipment | 188.21 | |
| Rent and Taxes | 7,526.40 | |
| Compensation and other Insurance | 8,103.22 | |
| Sundries | 378.46 | |
| Total Expenditures | $214,047.75 | |
| Balance, December 31, 1928 | 271.21 | |
| | | $214,318.96 |

CHARLES W. GOODING, *Treasurer.*

### STATEMENT OF ASSESSMENTS MADE IN 1928

| | | |
|---|---|---|
| July 1, 1927, to December 31, 1927: | | |
| Premiums on Fire & Sprinkler Damage | $1,421,524.49 at 2% | $88,430.44 |
| January 1, 1928, to July 1, 1928: | | |
| Premiums on Fire & Sprinkler Damage | $4,710,859.42 at 2% | $94,217.22 |
| | | $182,647.66 |
| July 1, 1928, to December 31, 1928: | | |
| Premiums on Fire & Sprinkler Damage | $4,256,677.31 at 2% | $85,135.02 |

# SUPERINTENDENT'S REPORT.

HEADQUARTERS BOSTON PROTECTIVE DEPARTMENT.
OFFICE OF SUPT., NO. 40 PURCHASE ST.

BOSTON, January 1st, 1929.

TO THE PRESIDENT AND BOARD OF DIRECTORS:

Gentlemen:— I herewith submit the Fifty-fifth Annual Report of operations of the Department for the year ending December 31st, 1928.

## CALLS AND SERVICE

The department responded to 3,803 City boxes, 2,544 Verbal, 153 Boston Automatic Fire Alarms, 138 American District Telegraph, which includes 61 Sprinkler Breaks, 169 Sprinkler Troubles, Total 6638; also 35 Water Damages, Total calls 6673.

The service rendered was 52 fire extinguishers used, 8,412 covers spread on merchandise at fires and other calls, 421 covers on roofs, 69 covers protecting merchandise after fires from storms. Total covers used 8,902.

The hours service were 4,311.31 at fires, 256.23 protecting merchandise &c after fires, and 2,519.15 privates detailed after fires. Total 7,087.09.

OF THE 7,669 ALARMS, 5,113 ALARMS OR 67.06 PER CENT WERE WITHOUT LOSS. (See grade of losses.)

The total loss on buildings, contents, rents, vessels and cargoes was $3,939,309.42 divided as follows;

| | Losses | | |
|---|---|---|---|
| | Insured | Not Insured | Totals |
| Buildings | $1,857,049.56 | $158,122.15 | $2,015,171.71 |
| Contents | 1,579,250.30 | 292,827.50 | 1,872,077.80 |
| Rents | 17,277.13 | ——— | 17,277.13 |
| Vessels | 13,122.78 | 21,660.00 | 34,782.78 |
| Cargoes | ——— | ——— | ——— |
| Totals | $3,466,699.77 | $472,609.65 | $3,939,309.42 |

## WATER DAMAGE OTHER THAN FIRES.

| | Losses | | |
|---|---|---|---|
| | Insured | Not Insured | Total |
| Building | | $3,912.00 | $3,912.00 |
| Contents | ——— | 3,418.00 | 3,418 00 |
| | | $7,330.00 | $7,330.00 |

Total calls, 35 (27 with losses). On duty 39h. 28m. Covers spread 91.

## ORGANIZATION OF DEPARTMENT.

Superintendent, HENRY E. THOMPSON.

| Co. No. 1. 40 Purchase St. | Total | Co. No. 2. 4 Appleton St. | Total | Co. No. 3. 159-161 Roxbury St. | Total | Grand Total |
|---|---|---|---|---|---|---|
| Captain E. Abbott | 1 | S. A. McDonnell | 1 | A. F. Swift | 1 | 3 |
| Lieuts. J. J. Carty | | G. E. Blakeley | | M. J. Gleason | | |
| Lieuts. J. F. Sullivan | 2 | J. S. Weir | 2 | B. J. McTernan | 2 | 6 |
| First Grade Privates | 23 | | 20 | | 17 | 60 |
| Third " " " | | | 1 | | | 1 |
| Fifth " " | | | 1 | | | 1 |
| Totals | 26 | | 25 | | 20 | 71 |

PENSIONERS

| | |
|---|---|
| CAPTAINS | 2 |
| | 73 |

## OPERATIONS OF THE DEPARTMENT.

| | | Co.No. 1 | Co.No. 2 | Co.No. 3 |
|---|---|---|---|---|
| Responses to Alarms. | City Boxes | 1079 | 1268 | 2149 |
| | Still | 594 | 699 | 1430 |
| | Automatic | 113 | 60 | 11 |
| | A. D. T. | 86 | 72 | 8 |
| | Totals | 1872 | 2099 | 3598 |
| Responded to by | Automobiles | 1491 | 2112 | 3419 |
| | Privates in outlying districts | 658 | ..... | 255 |
| Hours Duty | At fires and responding to calls | 1270.51 | 1219.05 | 1821.35 |
| | Assisting Fire Department | ..... | ..... | ..... |
| | After fires protecting mdse. | 87.21 | 121.59 | 47.03 |
| | Details after fires | 1381.25 | 669.28 | 468.22 |
| | Totals | 2739.37 | 2010.32 | 2337.00 |
| Covers Used | At fires and sprinkler calls | 3942 | 3174 | 1295 |
| | On roofs after fires | 188 | 99 | 135 |
| | Protecting mdse. after fires | 24 | 2 | 43 |
| | Totals | 4154 | 3275 | 1473 |
| Extinguishers used | | 22 | 19 | 11 |

*The Second Section was called in service as follows:*

| | | Co. No. 1 | Co. No. 2 | Co. No. 3 |
|---|---|---|---|---|
| On First Alarms | When first out section was at fire | 137 | 256 | 540 |
| | When both sec. were at previous fire | 15 | 24 | 30 |
| | While cov. adj. company district | 16 | 51 | 25 |
| On Second Alarms | | 27 | 40 | 26 |
| On Telephone calls | | 44 | 21 | 4 |
| On Messenger calls | | 1 | 1 | .... |
| To Cover | Adjoining company district | 99 | 269 | 93 |
| | Totals | 339 | 662 | 718 |

| | Co.No. 1 | Co.No. 2 | Co.No. 3 |
|---|---|---|---|
| No. fires at which roofs were protected | 85 | 52 | 78 |

# SPRINKLER RECORD.

## FIRES.

| Sprinklers Operating | Heads | Sprinkler Heads Replaced | Heads | Where Sprinkler Heads Operated | Floors | Condition of System when left | No. |
|---|---|---|---|---|---|---|---|
| 97 Fires of 1 head each | 97 | 96 Fires of 1 head each | 96 | Sub-Basement | 5 | O. K. | 144 |
| 32 " " 2 heads " | 64 | 31 " " 2 heads " | 62 | Basement | 60 | Partially Operative | 12 |
| *11 " " 3 " " | 33 | 11 " " 3 " " | 33 | First-floor | 33 | Shut Off | 16 |
| 6 " " 4 " " | 24 | 6 " " 4 " " | 24 | Second " | 20 | | |
| † 3 " " 5 " " | 15 | 2 " " 5 " " | 10 | Third " | 16 | | |
| ¶ 8 " " 6 " " | 48 | 6 " " 6 " " | 36 | Fourth " | 12 | | |
| 2 " " 7 " " | 14 | 1 " " 7 " " | 7 | Fifth " | 8 | | |
| 1 " " 8 " " | 8 | 1 " " 8 " " | 8 | Sixth " | 14 | | |
| 1 " " 9 " " | 9 | 1 " " 9 " " | 9 | Seventh " | 2 | | |
| 4 " " 10 " " | 40 | 2 " " 10 " " | 20 | Eighth " | 1 | | |
| 1 " " 12 " " | 12 | | | Roof | 1 | | |
| 2 " " 13 " " | 26 | | | | | | |
| 1 " " 24 " " | 24 | | | | | | |
| 1 " " 27 " " | 27 | | | | | | |
| 1 " " 34 " " | 34 | | | | | | |
| 1 " " 36 " " | 36 | | | | | | |
| 172 Totals | 511 | Totals | 305 | Totals | 172 | Totals | 172 |

* 1 Fire operated Basement and 1st floor
† 1 " " 4th and 5th floors
¶ 1 " " 1st, 2nd and 3rd floors

## RUPTURED HEADS AND PIPES.

| Sprinklers Ruptured | Heads | Causes | No. | Condition of System when left | O. K. | Parti. oper. | Shut off |
|---|---|---|---|---|---|---|---|
| 36 Breaks of 1 head ea. | 36 | Water freezing in heads | 14 | Condition | 12 | 1 | 1 |
| 1 " " 2 heads " | 2 | " " "couplings | 5 | " | 2 | 1 | 2 |
| 7 " " Couplings | | " " " elbows | 3 | " | 1 | 2 | |
| 3 " " Elbows | | " " " pipes | 3 | " | | | 3 |
| 12 " " Pipes | | " " " alarm pot | 1 | " | | | 1 |
| 1 " " Alarm Pot | | Defective heads | 19 | " | 16 | | 3 |
| 1 " " Gauge | | " couplings | 2 | " | | 1 | 1 |
| | | Striking gauge | 1 | " | | | 1 |
| | | " heads | 4 | " | 3 | | 1 |
| | | * " pipes | 8 | " | 3 | 2 | 3 |
| | | Unknown | 1 | | | | 1 |
| 61 Totals | 38 | Totals | 61 | Totals | 37 | 7 | 17 |

* 1 break caused by explosion

## DUTY PERFORMED

Hours service 66h. 40m. Detailed duty 19h. 46m. Extra service 3h, 19m. Covers spread 314

## TROUBLES.

| | |
|---|---|
| Alarm pots, defective | 9 |
| " bells, " | 4 |
| Closing and opening valves (2 drip 2 cold weather) | 4 |
| Tampering with valves (test) | 1 |
| Testing | 1 |
| Jarring transmitter | 1 |
| Leaky heads | 1 |
| " valves (drip) | 1 |
| Defective transmitter | 6 |
| Tank overflowing | 1 |
| Striking transmitter | 9 |
| Low air pressure | 1 |
| Water in dry pipe system | 44 |
| Water hammer | 43 |
| Working on system | 12 |
| Unknown | 31 |
| Totals | 169 |

## DUTY PERFORMED

Hours service 92h. 41m. Detailed duty 81h. 14m. Cover spread 1

## DISTRICTS WHERE FIRES OCCURRED OR ALARMS WERE GIVEN

Including Fire Department Still Alarms.

| | |
|---|---|
| City Proper | 2347 |
| Roxbury District | 1145 |
| Charlestown | 348 |
| East Boston | 494 |
| South Boston | 553 |
| Dorchester | 1375 |
| West Roxbury | 694 |
| Brighton | 453 |
| Hyde Park | 244 |
| Boston Harbor | 2 |
| Brookline | 4 |
| Cambridge | 1 |
| Dedham | 4 |
| Somerville | 3 |
| Milton | 1 |
| Quincy | 1 |
| Total | 7,669 |

## WHEN ALARMS OCCURRED

| Months | | Days of Week. | | Hours of the Day | | |
|---|---|---|---|---|---|---|
| 1928 | | | | | | |
| January | 762 | Monday | 1223 | Day Service | 6 to 7 A.M. | 86 |
| February | 625 | Tuesday | 1131 | | 7 to 8 " | 137 |
| March | 750 | Wednesday | 1122 | | 8 to 9 " | 207 |
| April | 851 | Thursday | 1028 | | 9 to 10 " | 269 |
| May | 511 | Friday | 1074 | | 10 to 11 " | 304 |
| June | 556 | Saturday | 1099 | | 11 to 12 Noon | 380 |
| July | 574 | Sunday | 992 | | 12 to 1 P. M. | 379 |
| August | 494 | | | | 1 to 2 " " | 383 |
| September | 513 | | | | 2 to 3 " | 427 |
| October | 667 | | | | 3 to 4 " | 413 |
| November | 727 | | | | 4 to 5 " | 518 |
| December | 639 | | | | 5 to 6 " | 581 |
| | | | | Night Service | 6 to 7 " | 586 |
| | | | | | 7 to 8 " | 532 |
| | | | | | 8 to 9 " | 514 |
| | | | | | 9 to 10 " | 485 |
| | | | | | 10 to 11 " | 383 |
| | | | | | 11 to 12 Midnight | 271 |
| | | | | | 12 to 1 A. M. | 217 |
| | | | | | 1 to 2 " | 193 |
| | | | | | 2 to 3 " | 128 |
| | | | | | 3 to 4 " | 105 |
| | | | | | 4 to 5 " | 89 |
| | | | | | 5 to 6 " | 82 |
| Totals | *7669 | | *7669 | | | *7669 |

*1 Fire extinguished by occupants are included in these totals.

# STATEMENT BY MONTHS

## Of Alarms for Fires Responded to by One or More Companies of this Department, Together with Other Statistics

| Months. | Alarms attended by this Dept. | | | | Extinguished by occupant. No alarm given. | Water Damage Calls. | Still Alarms attended by Fire Department only. | Total Alarms. | Sprinklers operated on fires. | Sprinkler breaks or defects | Alarms for fires on vessels | Covers Spread | | | Extinguishers used. | Duty at fire and responding to calls | Duty after fires protecting mdse. | Detail after fires. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | City Boxes. | Still. | Automatic. | A. D. T. | | | | | | | | At fires and sprinkler calls. | On roofs after fires. | Protecting mdse. after fires. | | Hrs. m | Hrs. m | Hrs. m |
| Jan. 1928 | 337 | 268 | 14 | 25 | 0 | 1 | 115 | 760 | 11 | 38 | 0 | 872 | 48 | 17 | 9 | 457.10 | 25.19 | 241.44 |
| Feb. " | 280 | 263 | 14 | 16 | 1 | 7 | 50 | 631 | 27 | 34 | 1 | 1223 | 48 | 3 | 1 | 497.54 | 49.21 | 373.11 |
| Mar. " | 331 | 301 | 18 | 5 | 0 | 0 | 95 | 750 | 19 | 19 | 0 | 827 | 54 | 1 | 4 | 493.40 | 19.07 | 259.30 |
| April " | 357 | 239 | 12 | 17 | 0 | 3 | 226 | 854 | 13 | 22 | 1 | 1049 | 62 | 0 | 4 | 443.42 | 33.39 | 205.54 |
| May " | 252 | 171 | 10 | 7 | 0 | 4 | 70 | 514 | 9 | 16 | 1 | 492 | 67 | 11 | 2 | 302.10 | 20.37 | 158.49 |
| June " | 288 | 162 | 13 | 13 | 0 | 7 | 79 | 562 | 18 | 17 | 4 | 602 | 21 | 23 | 12 | 303.58 | 14.31 | 144.30 |
| July " | 327 | 153 | 12 | 9 | 0 | 2 | 72 | 575 | 7 | 15 | 3 | 558 | 32 | 1 | 6 | 272.11 | 20.46 | 189.41 |
| Aug. " | 300 | 122 | 15 | 10 | 0 | 1 | 46 | 494 | 6 | 17 | 3 | 386 | 8 | 0 | 3 | 226.49 | 11.15 | 169.34 |
| Sept. " | 282 | 167 | 13 | 10 | 0 | 2 | 39 | 513 | 11 | 13 | 2 | 738 | 10 | 2 | 3 | 248.30 | 16.04 | 179.45 |
| Oct. " | 368 | 208 | 14 | 7 | 0 | 4 | 69 | 670 | 11 | 10 | 0 | 364 | 19 | 10 | 4 | 311.35 | 12.31 | 241.36 |
| Nov. " | 357 | 257 | 12 | 8 | 0 | 2 | 92 | 728 | 16 | 12 | 2 | 592 | 23 | 1 | 2 | 342.12 | 17.54 | 101.36 |
| Dec. " | 324 | 233 | 6 | 11 | 0 | 2 | 63 | 639 | 24 | 17 | 3 | 709 | 29 | 0 | 2 | 411.40 | 15.19 | 253.25 |
| Totals | 3803 | 2544 | 153 | 138 | 1 | 35 | 1016 | 7690 * | 172 | 230 | 20 | 8112 | 421 | 69 | 52 | 4,311.31 | 256.23 | 2,519.15 |

* 14 Alarms for assistance from other cities and towns not included.

# GRADE OF LOSSES FOR 1928.

| | | | |
|---|---|---|---|
| 5143 | Alarms with no loss | | |
| 956 | Fires with loss under $100 | | $36,791.52 |
| 778 | " " " from $100 to $500 | | 175,881.74 |
| 228 | " " " " $500 to $1,000 | | 161,482.52 |
| 365 | " " " " $1,000 to $5,000 | | 807,726.80 |
| 88 | " " " " $5,000 to $10,000 | | 628,193.78 |
| 24 | " " " " $10,000 to $15,000 | | 292,546.44 |
| | Over $15,000 | | |
| 1 | Jan. 1, 1928 | Brighton Abattoir, Butchers' Slaughtering & Melting Association | 58,472.17 |
| 1 | " 3, " | 741-3 Tremont St., H. A. Lucy, et al | 18,868.00 |
| 1 | " 6, " | 65 Tolman St., Coffin Valve Co. | 137,571.10 |
| 1 | " 8, " | 1325-41 Columbus Ave., White Sewing Machine Co.,et al | 18,001.96 |
| 1 | " 10, " | 33 River St., J. H. Enwright, et al | 27,563.37 |
| 1 | " 24, " | 276-8 Devonshire St., New England Florist, et al | 24,771.54 |
| 1 | " 27, " | 564 E. First & 110 K Sts., Kalix Cup Co., et al | 17,941.66 |
| 1 | Feb. 2, " | Rear 96 Condor St., Gibby Foundry Co. | 46,911.55 |
| 1 | " 5, " | 734 E. Fourth St., South Baptist Church Corp, et all | 33,097.63 |
| 1 | " 12, " | 2301-23 Washington & 1 Marvin Sts., Hub Floral Mfg. Co., et al | 33,435.17 |
| 1 | " 14, " | 125-6a Tremont St., "Allands" (millinery) et al | 16,640.08 |
| 1 | " 14, " | 60-2 Fulton St., B. Kuposky, et al | 20,501.67 |
| 1 | " 26, " | 130-2 Boylston St., Waldorf System, et al | 15,165.59 |
| 1 | " 27, " | 11 Columbia St., Allen & Squire Co., et al | 18,168.48 |
| 1 | " 29, " | 12-14 Winter St., Jackson Confectionery Co., et al | 23,873.54 |
| 1 | Mar. 16, " | 80-6 Kingston St., G. A. Taylor Mfg. Co., et al | 27,180.28 |
| 1 | " 20, " | 116-22 North St., N. Maggioli Co., Inc., et al | 50,449.41 |
| 1 | " 22, " | 1401 Columbia Rd., J. Reifsnyder Son & Co., et al | 33,685.78 |
| 1 | " 29, " | 84-92 Sudbury St., Mosler Safe Co., et al | 15,534.85 |
| 1 | " 22, " | 605-11 Washington St., Becker Fur Co., et al | 20,196.91 |
| 1 | April 4, " | 88-94 Pearl & 26-38 High St., H. Poorvu, et al | 43,055.43 |
| 1 | " 15, " | 145 Dartmouth St., New York, New Haven & Hartford R. R., et al | 360,359.16 |
| 1 | " 24, " | 167-71a Mass. Ave., J. James, et al | 20,172.25 |
| 1 | " 27, " | 130 Auckland St.,The Pacific Warehouse Trust Co.,et al | 45,974.00 |
| 1 | " 28, " | 26-8 Pittsburg St., Colonial Can Co., et al | 152,934.11 |
| 1 | " 30, " | 90-8 Tremont St., Golub Bros., et al | 17,216.69 |
| 1 | May 20, " | 55-7 Commercial St., United Trading Exchange, et al | 15,233.75 |
| 1 | " 31, " | 259-71 Huntington Ave., The Tent Inc., et al | 37,479.03 |
| 1 | June 1, " | 73-5 Conant St., Braver Healey & Co. | 29,136.00 |
| 1 | " 17, " | Rear 312 Congress St., Atlantic Salt Co., et al | 201,856.94 |
| 1 | " 19, " | 9 Washington Rd., B. Gillman, et al | 15,971.25 |
| 1 | " 20, " | 57-63 Franklin St., J. W. Gerry Co., et al | 24,184.36 |
| 1 | July 16, " | 607-9 Albany St., Betty Alden Inc., et al | 29,068.61 |
| 1 | Aug. 15, " | 85-7 Commercial Whf., W. W. Hodder Co., et al | 30,720.64 |
| 1 | Sept. 29, " | 253 Marlborough St., W. Thoron | 26,354.00 |
| 1 | Oct. 27, " | 81-91 Fulton St., New England Pillow Co., et al | 30,830.30 |
| 1 | Dec. 16, " | 165-6 Tremont St., Miss J. M. Crowley, et al | 25,280.84 |
| 1 | " 26, " | 423 Ashmont St., First Baptist Church of Dorchester | 20,768.61 |
| 7620 | | | 3,887,249.51 |
| 12 | Marine Losses | | 34,782.78 |
| 7632 | | | 3,922,032.29 |
| | Rent Losses | | 17,277.13 |
| | | | 3,939,309.42 |
| 37 | Sprinkler Losses (no fire) | $13,783.66 | |
| 7669 | | | |

## CAUSES OF ALARMS AND OF ALARMS WITH LOSS DURING 1928.

| | | Alarms | Alarms with Loss |
|---|---|---|---|
| a1 | Assistance beyond City Limits | 14 | |
| | Arson | | |
| | Ashes | | |
| | Benzine | | |
| | Boilers | | |
| 1 | Chimneys, Flues, Cupolas and Stacks, overheated or defective | 133 | 69 |
| | Cigars, Cigarettes and Pipes | | |
| 2 | Conflagration | | |
| | Cotton Pickers | | |
| 3 | Electricity | 550 | 268 |
| 4 | Explosions | 224 | 93 |
| 5 | Exposure | 130 | 121 |
| 5a | False and Needless Alarms | 1006 | |
| 6 | Fireworks, Fire Crackers, Balloons, etc. | 43 | 32 |
| | Flues | | |
| 7 | Friction—Sparks—Occasioned by running machinery, including Pickers, Carding Machines, Gins, etc. | 37 | 27 |
| | Furnaces | | |
| | Gas | | |
| 8 | Gas—Natural and Artificial | 46 | 31 |
| | Gasolene | | |
| 9 | Hot Ashes and Coals | 67 | 32 |
| 10 | Hot Grease, Oil, Tar, Wax, Asphalt, ignition of | 88 | 23 |
| 11 | Hot or Molten Metal | 5 | 4 |
| | Hot Water Pipes | | |
| 12 | Incendiarism | 46 | 36 |
| | Kerosene (See No. 19; also Explosions No. 4) | | |
| 13 | Lightning—buildings rodded | 1 | 1 |
| 14 | Lightning—buildings not rodded | 4 | 1 |
| | Locomotives | | |
| 15 | Matches | 672 | 455 |
| 16 | Miscellaneous—Cause known but not Classified | 442 | 60 |
| 17 | Open Fires | 99 | 3 |
| 18 | Open Lights | 127 | 70 |
| 19 | Petroleum and its products | 62 | 27 |
| | Pickers | | |
| | Railroad | | |
| 19a | Rekindling of a previous fire | 6 | 1 |
| 20 | Rubbish and Litter | 1447 | 13 |
| 21 | Smoking | 640 | 440 |
| 22 | Sparks—Arising from combustion | 173 | 90 |
| 23 | Sparks on Roof | 109 | 79 |
| 24 | Spontaneous Combustion | 107 | 66 |
| 24a | Sprinklers | 230 | 37 |
| | Stacks | | |
| 25 | Steam and Hot Water Pipes | 24 | 14 |
| 26 | Stoves, Furnaces, Boilers and their pipes | 848 | 173 |
| | Stove Pipes | | |
| 27 | Unknown | 289 | 260 |
| 28 | **Unknown origin but investigation important** | | |
| | Totals. | 7669 | 2526 |

This table includes 1016 fire department still alarms of which we were not notified, and 1 fire for which no alarm was given but which was extinguished by occupant.

# STATEMENT BY MONTHS OF INSURANCE AND LOSSES.

| Months | Buildings | | | Contents | | | Rents | | Vessels | | Sprinkler Losses (no fire) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Insurance | Loss Insured. | Loss not Ins. | Insurance. | Loss Insured. | Loss not Ins. | Insurance. | Loss | Insurance. | Loss | Insurance | Loss |
| Jan. 1928 | $8,515,017.97 | $231,503.50 | $ 490.00 | $1,908,194.00 | $277,958.09 | $10,868.01 | $10,000.00 | $ 283.88 | | | $697,800.00 | $2,806.63 |
| Feb. " | 13,950,802.00 | 277,479.34 | 15,927.33 | 3,485,332.00 | 229,388.80 | 25,096.84 | 72,500.00 | 1,327.95 | | $11,000.00 | 41,250.00 | 427.50 |
| Mar. " | 11,587,158.66 | 187,915.20 | 4,406.89 | 5,566,593.00 | 231,871,36 | 12,961.00 | 50,786.00 | 1,111.25 | | | | 10.00 |
| April " | 7,688,480.00 | 418,842.47 | 117,872.42 | 2,526,310.00 | 269,950.86 | 37,224.92 | 6,400.00 | 3,800.00 | | | 20,000.00 | 383.00 |
| May " | 7,754,439.00 | 103,398.45 | 2,125.00 | 1,846,236.00 | 94,769.67 | 8,977.12 | 71,333.00 | 3,594.88 | | 1,300.00 | | 250.00 |
| June " | 5,710,280.00 | 135,372.68 | 2,181.70 | 2,797,986.00 | 114,545.39 | 159,471.32 | | | | 3,560.00 | | 15.00 |
| July " | 8,611,969.00 | 92,691.54 | 560.00 | 2,419,304.00 | 63,716.89 | 6,195.68 | 250,660.00 | 1,131.67 | | 5,300.00 | 35,000.00 | 977.05 |
| Aug. " | 8,920,197.00 | 44,289.91 | 8,955.00 | 709,421.00 | 66,382.69 | 3,798,85 | 23,400.00 | 812.50 | $ 2,000.00 | 500.00 | 365,000.00 | 2,677.00 |
| Sept. " | 5,622,192.00 | 68,277.55 | 1,499.81 | 1,523,442.00 | 54,366.28 | 1,975.33 | | | 4,000.00 | 1,955.78 | 13,000.00 | 1,454.82 |
| Oct. " | 3,537,591.79 | 74,477.33 | 802.00 | 534,071.00 | 57,750.55 | 11,186.20 | 2,500.00 | 90.00 | | | | 115.00 |
| Nov. " | 8,867,419.00 | 96,716.39 | 442.00 | 3,439,844.00 | 43,285.66 | 7,670.05 | | | 25,000.00 | 10,667.00 | 250,000.00 | 64.60 |
| Dec. " | 6,376,696.00 | 126,085.20 | 2,860.00 | 5,462,554.00 | 75,264.06 | 7,402.18 | 41,000.00 | 5,125.00 | | 500.00 | 694,000.00 | 4,603.06 |
| Totals | $97,172,242.42 | $1,857,049.56 | $158,122.15 | $32,219,287.00 | $1,579,250.30 | $292,827.50 | $528,579.00 | $17,277.13 | $31,000.00 | *$34,782.78 | $2,116.050.00 | $13,783.66 |

*Loss on Vessels not insured $21,660.
*Insured loss on Vessels $13,122.78.

# STATISTICS FOR YEAR ENDING DECEMBER 31, 1928

| | | | |
|---|---|---|---|
| Population | | | 799,200 |
| Area Square Miles | | | 47.81 |
| Number of Brick, Stone, Concrete, Steel frame, B, etc. | | 41,261 | *131,359 |
| " " Wooden Buildings | | 90,098 | |
| " " Alarms, exclusive of False and Needless | | 6,419 | 7,669 |
| " " False and Needless Alarms | | 1,006 | |
| " " Calls to assist other Cities and Towns | | 14 | |
| " " Sprinkler System breaks and defects | | 230 | |
| " " Fires in Brick and Stone Buildings | | 2,319 | 6,419 |
| " " Fires in Wooden Buildings | | 1,627 | |
| " " Fires in Concrete Blocks | | 76 | |
| " " Fires in Fireproof | | 1 | |
| " " Fires in Ironclad | | 17 | |
| " " Fires in Reinforced Concrete | | 0 | |
| " " Fires not originating in Buildings | | 2,379 | |
| " " Fires confined to floor where fire originated | 3,578 | 4,040 | 6,419 |
| " " " confined to Building but not to floor of origin | 332 | | |
| " " " extending to adjoining Building | 93 | | |
| " " " extending beyond adjoining Building | 37 | | |
| " " " originating in Automobiles | 614 | 2,379 | |
| " " " not originating in Buildings | 1,690 | | |
| " " " not originating in, but involving Buildings | 75 | | |

* January 1, 1929. By courtesy of City of Boston Building Department.

| | Buildings including Docks, Vessels, Tank and Permanent Fixtures. | Contents | Total |
|---|---|---|---|
| Total Insurance on the property on which claim for loss was made | $97,731,821.42 | $32,219,287.00 | $129,951,108.42 |
| Total Insurance Loss | 1,870,172.34 | 1,579,250.30 | 3,449,422.64 |
| Total Loss (insured and uninsured) | 2,049,954.49 | 1,872,077.80 | 3,922,032.29 |
| Rents insured | | | 17,277.13 |
| Losses on buildings and contents in which fires originated, i.e., direct losses | 2,024,809.02 | 1,860,562.49 | 3,885,371.51 |
| Losses on buildings and contents in which the fires did not originate i.e., exposure losses | 25,145.47 | 11,515.31 | 36,660.78 |

## Review of grade of losses for ten years

| Years | Total Al'm. | No Loss | Under $100 | $100 to 500 | $500 to 1000. | $1000 to 5000. | $5000 to 10,000 | $10,000 to 15,000 | Over 15,000 |
|---|---|---|---|---|---|---|---|---|---|
| 1919 | 5647 | 3687 | 903 | 574 | 155 | 208 | 30 | 17 | 26 |
| 1920 | 4688 | 2928 | 780 | 536 | 135 | 223 | 37 | 15 | 34 |
| 1921 | 5268 | 3320 | 820 | 612 | 167 | 227 | 53 | 25 | 44 |
| 1922 | 6184 | 4048 | 886 | 651 | 198 | 285 | 59 | 17 | 40 |
| 1923 | 7377 | 5069 | 977 | 693 | 168 | 319 | 76 | 33 | 54 |
| 1924 | 8117 | 5428 | 1037 | 804 | 239 | 405 | 105 | 40 | 59 |
| 1925 | 7678 | 4998 | 1005 | 831 | 253 | 390 | 104 | 31 | 66 |
| 1926 | 7787 | 5078 | 1045 | 773 | 277 | 422 | 90 | 39 | 63 |
| 1927 | 7351 | 4810 | 977 | 802 | 219 | 401 | 75 | 22 | 44 |
| 1928 | 7669 | 5143 | *979 | *789 | *230 | *325 | *89 | *26 | 38 |

*37 Sprinkler losses included, viz., 21 under $100. 8 from $100 to $500. 1 from $500 to $1,000. 7 from $1,000 to $5,000. 0 from $10,000 to $15,000.

## Review of total alarms, fires with loss, loss, average loss of total alarms, and average loss of fires with loss, for ten years

| Years. | Total Alarms. | Fires with Loss | Loss. | Average Loss of Total Alarms. | Average Loss of Fires with Loss. |
|---|---|---|---|---|---|
| 1919 | 5,647 | 1,921 | $2,581,085.15 | $457.07 | $1,343.61 |
| 1920 | 4,688 | 1,707 | 3,143,528.89 | 670.54 | 1,841.55 |
| 1921 | 5,268 | 1,910 | 4,017,158.64 | 762.56 | 2,103.22 |
| 1922 | 6,184 | 2,109 | 3,331,485.17 | 538.73 | 1,568.88 |
| 1923 | 7,377 | 2,271 | 6,323,331.48 | 857.17 | 2,784.38 |
| 1924 | 8,117 | 2,626 | 4,825,216.13 | 594.48 | 1,837.48 |
| 1925 | 7,678 | 2,632 | 5,474,749.06 | 713.04 | 2,080.07 |
| 1926 | 7,787 | 2,709 | 5,268,941.87 | 676.63 | 1,944.98 |
| 1927 | 7,351 | 2,541 | 3,937,329.78 | 535.62 | 1,549.52 |
| 1928 | 7,669 | †2,526 | 3,939,309.42 | 513.67 | 1,559.52 |

The above tables include Still Alarms.

† Does not include 37 Sprinkler losses.

In conclusion, I desire to express my sincere thanks to all departments or persons who have in any way assisted this Department during the past.

Respectfully submitted,

H. E. THOMPSON,

*Superintendent of Department.*

## MEDICAL EXAMINER'S REPORT

1928

HENRY E. THOMPSON,

*Supt. Boston Protective Department.*

*Dear Sir*:—Your Medical Officer respectfully submits the following report for the year ending December 31, 1928:

| | |
|---|---|
| Applicants Examined | 6 |
| Promotions. Examinations for | 1 |
| Members. Visits to sick | 49 |
| Members. Visits to injured | 30 |
| Physicians reports. Attending | 186 |
| Special reports | 5 |
| Certificates. Return to duty | 86 |

W. F. TEMPLE Jr., M. D.

*Medical Officer, Boston Protective Department.*

## DESCRIPTIVE LIST OF MOTOR APPARATUS

| Rotation | Put in Service. | Maker's name | No. | Cooling System | Cylinders. No. | Cylinders. Size. | Cylinders. H.P. | Wheel Base. | Tire size. Front. | Tire size. Rear. | Weight Loaded. | Company Assigned | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Oct. 17, 1910 | Knox Auto. Co. | 3788 | W | 4 | 5½ | 48 | 128 | 38 x 7 | 40 x 8 | 11,000 | 2 | |
| 7 | Nov. 10, 1914 | The White Co. | 21625 | W | 6 | 4¼ | 43 | 158½ | 38 x 7 | 40 x 8 | 10,500 | 3 | |
| 8 | " " " | " " " | 21626 | W | 6 | 4¼ | 43 | 158½ | 38 x 7 | 40 x 8 | 10,530 | 3 | |
| 13 | Sep. 19, 1919 | " " " | 51184 | W | 4 | 4¼ | 28 | 157 | 38 x 7 | 40 x 8 | 10,700 | 1 | |
| 14 | Sep. 4, 1920 | Ford | 4051284 | W | 4 | 3¾ | 22 | 123 | 30 x 3½ | 32 x 4½ | ..... | 3 | |
| 15 | Sep. 4, 1923 | Mack Motor Co. | 471420 | W | 4 | 4¼ | 28 | 146½ | 38 x 7 | 40 x 8 | 10,700 | 2 | |
| 16 | Mar. 24, 1924 | " " " | 472114 | W | 4 | 4¼ | 28 | 146½ | 38 x 7 | 40 x 8 | 9,630 | 3 | |
| 17 | Aug. 5, 1924 | " " " | 472115 | W | 4 | 4¼ | 28 | 146½ | 38 x 7 | 40 x 8 | 11,000 | 1 | |
| 18 | Mar. 14, 1927 | " " " | 474143 | W | 4 | 4¼ | 28 | 146 | 38 x 7 | 40 x 8 | 10,420 | 2 | |
| F | Jun. 10, 1927 | The Buick Co. | 1858257 | W | 6 | 3½ | 29 | 120 | 33 x 600 | 33 x 600 | ..... | S | |

W — Water.

S Superintendent

## CALLS RESPONDED TO AND MILES TRAVELLED

| No. | Years | Calls | Miles | 1928 Calls | 1928 Miles | Totals Calls | Totals Miles |
|---|---|---|---|---|---|---|---|
| 3 | 1910-1927 Inclusive | 8,102 | 19,192.2 | 49 | 143.0 | 8,151 | 19,335.2 |
| 7 | 1914-1927 " | 7,231 | 13,121.4 | 916 | 4,653.5 | 8,147 | 17,774.9 |
| 8 | 1914-1927 " | 7,421 | 15,730.8 | 954 | 4,722.3 | 8,375 | 20,453.1 |
| 13 | 1918-1927 " | 6,679 | 16,216.8 | 685 | 1,297.3 | 7,364 | 17,514.1 |
| 14 | 1920-1927 " | ..... | 15,658.5 | ..... | 2,058.5 | ..... | 17,717.0 |
| 15 | 1923-1927 " | 5,736 | 16,385.1 | 933 | 2,864.0 | 6,669 | 19,249.1 |
| 16 | 1924-1927 " | 4,481 | 22,301.6 | 1,640 | 8,367.0 | 6,121 | 30,668.6 |
| 17 | 1921-1927 " | 1,945 | 3,836.9 | 657 | 1,234.0 | 2,602 | 5,070.9 |
| 18 | 1927 " | 1,311 | 3,385.0 | 1,189 | 3,155.0 | 2,500 | 6,540.0 |
| F | 1927 " | ..... | 8,794.0 | ..... | 11,954.0 | ..... | 20,748.0 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Put in service | | Nov. 10, 1914. | Nov. 10, 1914 | Oct. 17, 1910 | Sept. 19, 1919 | Sept. 4, 1920 | Sept. 4, 1923 | Mar. 24, 1924 | Aug. 5, 1924 | Mar. 14, 1927 | Jun. 10, 1927 |
| Makers | | The White Co. | The White Co. | Knox Motor Co | The White Co. | Ford | Mack Motor Co. | Mack Motor Co. | Mack Motor Co. | Mack Motor Co. | The Buick Co. |
| Company Nos. | | 3. | 3. | 2. | 1. | Service | 2 | 3. | 1. | 2. | |
| Makers No. | | 21625 | 21626 | 3788 | 51184 | 15026994 | 471420 | 472114 | 472115 | 414143 | 1858257 |
| Expense | | 1928 | 1928 | 1928 | 1928 | 1928 | 1928 | 1928 | 1928 | 1928 | 1928 |
| **Body—** | Repairs | $ 95.50 | $ 42.00 | $ .... | $ 61.00 | $ .... | $ .... | $ 50.00 | $ .... | $ .... | $ 10.39 |
| | Painting | 200.00 | 200.00 | .... | 181.50 | .... | .... | 220.00 | 125.00 | .... | .... |
| | Bell | .... | .... | .... | 4.50 | .... | .... | 48.00 | 42.42 | .... | .... |
| **Chassis—** | Repairs | 287.76 | 113.98 | 19.50 | 217.35 | 2.82 | 482.58 | 374.56 | 50.39 | 186.39 | 9.98 |
| | Shock Absorbers | 5.00 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| **Electric—** | Lighting | 32.67 | 8.06 | .... | 2.32 | .... | 19.60 | 9.48 | .70 | 20.00 | 2.40 |
| | Starting | 45.11 | 56.81 | .... | 3.00 | .... | 11.52 | .... | 24.85 | 28.70 | .... |
| | Batteries | 55.80 | 45.00 | .... | 29.10 | .... | .... | .... | .... | .... | 10.50 |
| **Engine—** | Repairs | 52.86 | 104.09 | .... | 61.99 | 4.10 | 871.55 | 814.05 | 35.33 | 28.00 | 51.55 |
| **Cases—** | New | .... | 63.35 | 169.65 | 70.65 | 39 05 | 154.95 | 91.60 | 126.70 | 99.00 | 119.55 |
| | Repairs | .... | .... | .... | .... | .... | .... | .... | .... | .... | 5.50 |
| **Tubes—** | New | .... | 8.25 | 18.40 | 9.40 | 4.35 | 19.30 | 11.05 | 16.50 | 11.95 | 23.60 |
| | Repairs | .... | 1.50 | .... | .... | .50 | .... | .... | .... | .... | 4.00 |
| **Chains, etc.** | Chains | 17.50 | 17.50 | .... | 8.75 | .... | 26.25 | 17.50 | 8.75 | 17.50 | 19.25 |
| | Hooks | .96 | .96 | .... | .... | .... | .... | .96 | .... | .... | 1.00 |
| **Accessories** | | 4.50 | 16.50 | .... | 9.40 | .... | 66.45 | 17.45 | .... | .... | .... |
| Totals | | $797.66 | $678.00 | $207.55 | $658.96 | $ 50.82 | $1,652.20 | $1,654.65 | $430.64 | $391.54 | $257.72 |

## SUPPLIES AND TOOLS

| | Co. No. 1 | Co. No. 2 | Co. No. 3 | Total |
|---|---|---|---|---|
| Gasoline | $180.00 | $328.00 | $906.44 | $1414.44 |
| Oils | 34.12 | 39.99 | 216.81 | 290.92 |
| Grease | 2.50 | 7.50 | 20.50 | 30.50 |
| Soap | 18.04 | 15.17 | 27.86 | 61.07 |
| Polish | 18.00 | 18.00 | 12.00 | 48.00 |
| Tools new and repd | 4.38 | 5.55 | 7.87 | 17.80 |
| Totals | $257.04 | $414.21 | $1191.48 | $1862.73 |

## DESCRIPTIVE LIST OF MOTOR APPARATUS

| Rotation | Put in Service. | Maker's name | No. | Cooling System | Cylinders. | | | Wheel Base. | Tire size. | | Weight Loaded. | Company Assigned | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | No. | Size. | H.P. | | Front. | Rear. | | | |

4353.53

# Boston Protective Department

March 25, 1930

## FIFTY-SIXTH

# ANNUAL REPORT

FOR THE CALENDAR YEAR

1929

BOSTON PUBLIC LIBRARY

FIFTY-SIXTH

# ANNUAL REPORT

OF THE

# Boston Protective Department

FROM

January 1, 1929 to January 1, 1930

# OFFICERS

---

*President:*

T. H. RATIGAN

*Vice-President:*

G. B. PROCTOR

*Directors:*

To Serve until March, 1930

T. H. RATIGAN A. K. POPE

WILLARD C. HILL

To Serve until March, 1931

J. J. CORNISH H. G. FAIRFIELD

EDMUND WINCHESTER

To Serve until March, 1932

G. B. PROCTOR A. W. BURKE

W. E. BURRAGE

*Secretary-Treasurer:*
CHARLES W. GOODING

*Acting Superintendent:*
PETER E. WALSH

*Medical Officer:*
DR. WM. F. TEMPLE, JR.

Boston, January 1, 1930.

To the Members of the
Boston Protective Department:

The Directors submit herewith the 56th Annual Report of the Department with the reports of the Superintendent, Treasurer, Medical Officer and statistical tables.

The Board recommends, first, that the active duties of the Department be continued for another year; second, that the Directors be authorized to expend for the maintenance of the Department during the year a sum not exceeding two hundred and twenty thousand dollars.

For the Directors,

T. H. RATIGAN,

President.

## TREASURER'S REPORT

### CURRENT INCOME AND EXPENSE ACCOUNT FOR THE YEAR ENDING DECEMBER 31, 1929

| | | |
|---|---|---|
| RECEIPTS: | | |
| Assessments | $170,162.13 | |
| Interest | 370.57 | |
| Special Service | 1,783.33 | |
| Transferred from Reserve | 37,500.00 | |
| 1928 Balance | 271.21 | |
| | | $210,087.24 |
| EXPENDITURES: | | |
| Pay Roll and Salaries | $176,208.21 | |
| Repairs of Houses | 3,972.20 | |
| Telephone and Fire Alarm | 1,337.22 | |
| Water, Light and Fuel | 3,260.92 | |
| Printing, Stamps and Office Supplies | 886.00 | |
| Auto Supplies and Repairs | 3,747.98 | |
| Miscellaneous Department Supplies | 1,973.96 | |
| New Equipment and Furnishings | 521.62 | |
| Repairs of Equipment | 681.41 | |
| Rent and Taxes | 9,515.25 | |
| Compensation and other Insurance | 4,886.48 | |
| Sundries | 1,654.42 | |
| Total Expenditures | $208,645.67 | |
| Balance, December 31, 1929 | 1,441.57 | |
| | | $210,087.24 |

CHARLES W. GOODING, *Treasurer.*

### STATEMENT OF ASSESSMENTS MADE IN 1929

| | | |
|---|---|---|
| July 1, 1928, to December 31, 1928: | | |
| Premiums on Fire & Sprinkler Damage | $4,202,101.74 at 2% | $84,043.29 |
| January 1, 1929, to July 1, 1929: | | |
| Premiums on Fire & Sprinkler Damage | $4,327,793.58 at 2% | $86,530.61 |
| | | $170,573.90 |
| Un-collected Assessments | | 411.77 |
| | | 170,162.13 |
| July 1, 1929, to December 31, 1929: | | |
| Premiums on Fire & Sprinkler Damage | $4,157,220.75 at 2½% | $103,930.87 |

# SUPERINTENDENT'S REPORT.

HEADQUARTERS BOSTON PROTECTIVE DEPARTMENT
OFFICE OF SUPT., NO. 3 INDIA SQ.

BOSTON, January 1st, 1930.

TO THE PRESIDENT AND BOARD OF DIRECTORS:

Gentlemen:— I herewith submit the Fifty-sixth Annual Report of operations of the Department for the year ending December 31st, 1929.

## CALLS AND SERVICE

The department responded to 4,415 City boxes, 2,272 Verbal, 134 Boston Automatic Fire Alarms, 77 American District Telegraph, which includes 56 Sprinkler Breaks, 162 Sprinkler Troubles, Total 6898; also 23 Water Damages, Total calls 6921.

The service rendered was 83 fire extinguishers used, 7,881 covers spread on merchandise at fires and other calls, 474 covers on roofs, 127 covers protecting merchandise after fires from storms. Total covers used 8,482.

The hours service were 4,518.45 at fires, 220.59 protecting merchandise &c after fires, and 2,948.08 privates detailed after fires. Total 7,687.52.

OF THE 8,336 ALARMS, 5,584 ALARMS OR 66.99 PER CENT WERE WITHOUT LOSS. (See grade of losses.)

The total loss on buildings, contents, rents, vessels and cargoes was $4,195,151.81 divided as follows;

| | Losses | | |
|---|---|---|---|
| | Insured | Not Insured | Totals |
| Buildings | $2,151,116.25 | $179,310.64 | $2,330,426.89 |
| Contents | 1,644,613.23 | 154,886.29 | 1,799,499.52 |
| Rents & U. & O. | 16,509.12 | ——— | 16,509.12 |
| Vessels | 31,474.28 | 17,242.00 | 48,716.28 |
| Totals | $3,843,712.88 | $351,438.93 | $4,195,151.81 |

## WATER DAMAGE OTHER THAN FIRES.

| | Losses | | |
|---|---|---|---|
| | Insured | Not Insured | Total |
| Building | | $605.00 | $605.00 |
| Contents | | 2,170.00 | 2,170 00 |
| | | $2,775.00 | $2,775.00 |

Total calls, 23 (16 with losses). On duty 16h. 36m. Covers spread 32.

## ORGANIZATION OF DEPARTMENT.

Acting Superintendent, PETER E. WALSH.

| Co. No. 1. 124 Broad St. | Total | Co. No. 2. 4 Appleton St. | Total | Co. No. 3. 159-161 Roxbury St. | Total | Grand Total |
|---|---|---|---|---|---|---|
| Captain E. Abbott | 1 | S. A. McDonnell | 1 | A. F. Swift | 1 | 3 |
| Lieuts. J. J. Carty | | G. E. Blakeley | | M. J. Gleason | | |
| Lieuts. J. F. Sullivan | 2 | J. S. Weir | 2 | B. J. McTernan | 2 | 6 |
| First Grade Privates | 22 | | 20 | | 17 | 59 |
| Third " " | | | 1 | | | 1 |
| Totals | 25 | | 24 | | 20 | 69 |
| PENSIONERS | | | | | | |
| CAPTAINS | | | | | | 2 |
| | | | | | | 71 |

## OPERATIONS OF THE DEPARTMENT.

| | | Co.No. 1 | Co.No. 2 | Co.No. 3 |
|---|---|---|---|---|
| Responses to Alarms. | City Boxes | 1292 | 1493 | 2449 |
| | Still | 554 | 675 | 1254 |
| | Automatic | 120 | 69 | 10 |
| | A. D. T. | 81 | 53 | 8 |
| | Totals | 2047 | 2290 | 3721 |
| Responded to by | Automobiles | 1559 | 2310 | 3436 |
| | Privates in outlying districts | 699 | ..... | 296 |
| Hours Duty | At fires and responding to calls | 1328.11 | 1296.35 | 1893.59 |
| | After fires protecting mdse. | 77.22 | 98.56 | 44.41 |
| | Details after fires | 1704.52 | 909.50 | 333.26 |
| | Totals | 3110.25 | 2305.21 | 2272.06 |
| Covers Used | At fires and sprinkler calls | 3322 | 2842 | 1717 |
| | On roofs after fires | 177 | 133 | 164 |
| | Protecting mdse. after fires | 55 | 1 | 71 |
| | Totals | 3554 | 2976 | 1952 |
| Extinguishers used | | 21 | 49 | 13 |

*The Second Section was called in service as follows:*

| | | Co. No. 1 | Co. No. 2 | Co. No. 3 |
|---|---|---|---|---|
| On First Alarms | When first out section was at fire | 186 | 294 | 550 |
| | When both sec. were at previous fire | 23 | 39 | 36 |
| | While cov. adj. company district | 12 | 50 | 38 |
| On Second Alarms | | 33 | 33 | 37 |
| On Telephone calls | | 31 | 23 | 8 |
| On Messenger calls | | 2 | 1 | .... |
| To Cover | Adjoining company district | 102 | 255 | 107 |
| | Totals | 389 | 695 | 776 |

| | Co.No. 1 | Co.No. 2 | Co.No. 3 |
|---|---|---|---|
| No. fires at which roofs were protected | 85 | 61 | 70 |

# SPRINKLER RECORD.

## FIRES.

| Sprinklers Operating | Heads | Sprinkler Heads Replaced | Heads | Where Sprinkler Heads Operated | No. | Condition of System when left | No. |
|---|---|---|---|---|---|---|---|
| 116 Fires of 1 head each | 116 | 110 Fires of 1 head each | 110 | Sub-Basement | 1 | O. K. | 172 |
| 41 " " 2 heads " | 82 | 39 " " 2 heads " | 78 | Basement | 65 | Partially Operative | 8 |
| *15 " " 3 " " | 45 | 13 " " 3 " " | 39 | First-floor | 47 | Shut Off | 21 |
| 8 " " 4 " " | 32 | 8 " " 4 " " | 32 | Second " | 16 | | |
| 3 " " 5 " " | 15 | 3 " " 5 " " | 15 | Third " | 16 | | |
| 1 " " 6 " " | 6 | 1 " " 7 " " | 7 | Fourth " | 21 | | |
| 3 " " 7 " " | 21 | 3 " " 9 " " | 27 | Fifth " | 18 | | |
| 4 " " 9 " " | 36 | 1 " " 10 " " | 10 | Sixth " | 13 | | |
| 1 " " 10 " " | 10 | 2 " " 11 " " | 22 | Eighth " | 1 | | |
| 2 " " 11 " " | 22 | 1 " " 14 " " | 14 | Ninth " | 1 | | |
| 3 " " 12 " " | 36 | 1 " " 17 " " | 17 | Eleventh floor | 1 | | |
| 1 " " 14 " " | 14 | 1 " " 18 " " | 18 | Thirteenth " | 1 | | |
| 1 " " 17 " " | 17 | | | | | | |
| 1 " " 18 " " | 18 | | | | | | |
| 1 " " 39 " " | 39 | | | | | | |
| 201 Totals | 509 | Totals | 389 | Totals | 201 | Totals | 201 |

* 1 Fire operated Basement and first floor

## RUPTURED HEADS AND PIPES.

| Sprinklers Ruptured | Heads | Causes | No. | Condition of System when left | No. |
|---|---|---|---|---|---|
| 30 Breaks of 1 head ea. | 30 | Water freezing in heads | 9 | O. K. | 35 |
| 1 " " Couplings | | " " " valve | 1 | Partially Oper. | 7 |
| 8 " " Elbows | | " " " elbows | 6 | Shut Off | 14 |
| 14 " " Pipes | | " " " pipe | 1 | | |
| 1 " " Nipple | | Defective heads | 13 | | |
| 1 " " Valve | | " pipes | 2 | | |
| 1 " " Stuffing Box | | " couplings | 1 | | |
| | | " elbow | 1 | | |
| | | Striking pipe | 8 | | |
| | | " head | 8 | | |
| | | " nipple | 1 | | |
| | | " elbow | 1 | | |
| | | Broken pipe | 2 | | |
| | | Leaky Stuffing Box | 1 | | |
| | | Unknown | 1 | | |
| 56 Totals | 30 | Totals | 56 | Totals | 56 |

## DUTY PERFORMED

Hours service 51h. 15m. Detailed duty 2h. 28m. Extra service 6h, 37m. Covers spread 193

## TROUBLES.

| | |
|---|---|
| Alarm pots, defective | 10 |
| Water hammer | 32 |
| Working on system | 15 |
| Water in dry pipe system | 61 |
| Pumping up pressure | 4 |
| Leaky head | 2 |
| Unknown | 25 |
| Alarm Bell, defective | 2 |
| Blowing of fuse, transmitter | 1 |
| Shutting off system by mistake | 1 |
| Opening valves by mistake | 1 |
| Testing | 3 |
| Transmitter, defective | 1 |
| Leaky valves | 2 |
| Alarm sent by mistake | 1 |
| Trip valve, defective | 1 |
| Totals | 162 |

## DUTY PERFORMED

Hours service 91h. 52m. Detailed duty 82h. 59m. Cover spread 43

## DISTRICTS WHERE FIRES OCCURRED OR ALARMS WERE GIVEN

Including Fire Department Still Alarms.

| | |
|---|---|
| City Proper | 2484 |
| Roxbury District | 1339 |
| Charlestown | 428 |
| East Boston | 497 |
| South Boston | 600 |
| Dorchester | 1402 |
| West Roxbury | 749 |
| Brighton | 514 |
| Hyde Park | 302 |
| Boston Harbor | 2 |
| Brookline | 2 |
| Cambridge | 4 |
| Dedham | 5 |
| Somerville | 2 |
| Milton | 5 |
| Newton | 1 |
| Total | 8,336 |

## WHEN ALARMS OCCURRED

| Months | | Days of Week. | | Hours of the Day | | |
|---|---|---|---|---|---|---|
| 1929 | | | | | | |
| January | 789 | Monday | 1088 | Day Service | 6 to 7 A.M. | 111 |
| February | 523 | Tuesday | 1294 | | 7 to 8 " | 137 |
| March | 751 | Wednesday | 1193 | | 8 to 9 " | 212 |
| April | 648 | Thursday | 1213 | | 9 to 10 " | 287 |
| May | 603 | Friday | 1234 | | 10 to 11 " | 326 |
| June | 708 | Saturday | 1128 | | 11 to 12 Noon | 419 |
| July | 932 | Sunday | 1186 | | 12 to 1 P. M. | 444 |
| August | 735 | | | | 1 to 2 " " | 454 |
| September | 654 | | | | 2 to 3 " | 493 |
| October | 777 | | | | 3 to 4 " | 505 |
| November | 607 | | | | 4 to 5 " | 555 |
| December | 609 | | | | 5 to 6 " | 620 |
| | | | | Night Service | 6 to 7 " | 515 |
| | | | | | 7 to 8 " | 576 |
| | | | | | 8 to 9 " | 537 |
| | | | | | 9 to 10 " | 489 |
| | | | | | 10 to 11 " | 421 |
| | | | | | 11 to 12 Midnight | 334 |
| | | | | | 12 to 1 A. M. | 278 |
| | | | | | 1 to 2 " | 186 |
| | | | | | 2 to 3 " | 143 |
| | | | | | 3 to 4 " | 116 |
| | | | | | 4 to 5 " | 91 |
| | | | | | 5 to 6 " | 87 |
| Totals | *8336 | | *8336 | | | *8336 |

*6 Fires extinguished by occupants are included in these totals.

# STATEMENT BY MONTHS

## Of Alarms for Fires Responded to by One or More Companies of this Department, Together with Other Statistics

| Months. | Alarms attended by this Dept. | | | | Extinguished by occupant. No alarm given. | Water Damage Calls. | Still Alarms attended by Fire Department only. | Total Alarms. | Sprinklers operated on fires. | Sprinkler breaks or defects | Alarms for fires on vessels | Covers Spread | | | Extinguishers used. | Duty at fires and responding to calls | Duty after fires protecting mdse. | Detail after fires. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | City Boxes. | Still. | Automatic. | A. D. T. | | | | | | | | At fires and sprinkler calls. | On roofs after fires. | Protecting mdse. after fires. | | Hrs. m | Hrs. m | Hrs. m |
| Jan. 1929 | 411 | 252 | 20 | 9 | 1 | 2 | 94 | 789 | 28 | 31 | 4 | 984 | 58 | 7 | 10 | 521 .50 | 36 .28 | 197 .53 |
| Feb " | 253 | 212 | 11 | 11 | 0 | 1 | 35 | 523 | 23 | 11 | 2 | 877 | 43 | 2 | 7 | 388 .27 | 24 .14 | 349 .56 |
| Mar. " | 382 | 221 | 8 | 7 | 0 | 2 | 132 | 752 | 19 | 13 | 3 | 1069 | 60 | 0 | 9 | 476 .40 | 21 .15 | 533 .02 |
| April " | 331 | 184 | 9 | 8 | 0 | 2 | 112 | 646 | 15 | 15 | 4 | 561 | 36 | 0 | 10 | 334 .28 | 16 .13 | 168 .50 |
| May " | 325 | 175 | 8 | 6 | 1 | 1 | 88 | 604 | 19 | 16 | 2 | 626 | 21 | 8 | 5 | 320 .24 | 13 .12 | 256 .28 |
| June " | 363 | 152 | 10 | 5 | 2 | 1 | 175 | 708 | 13 | 16 | 3 | 199 | 29 | 2 | 6 | 267 .36 | 6 .46 | 123 .21 |
| July " | 482 | 197 | 10 | 3 | 0 | 2 | 239 | 933 | 12 | 19 | 5 | 689 | 34 | 54 | 9 | 396 .10 | 21 .18 | 217 .00 |
| Aug. " | 419 | 156 | 11 | 3 | 0 | 6 | 143 | 738 | 7 | 22 | 2 | 327 | 40 | 13 | 7 | 304 .14 | 10 .48 | 119 .42 |
| Sept. " | 382 | 150 | 11 | 6 | 1 | 0 | 101 | 651 | 15 | 24 | 7 | 739 | 41 | 1 | 4 | 368 .28 | 21 .03 | 328 .58 |
| Oct. " | 419 | 197 | 11 | 2 | 1 | 4 | 145 | 779 | 15 | 15 | 0 | 559 | 36 | 20 | 4 | 400 .58 | 20 .53 | 158 .34 |
| Nov. " | 318 | 178 | 10 | 6 | 0 | 2 | 95 | 609 | 13 | 13 | 1 | 605 | 30 | 18 | 1 | 350 .53 | 13 .26 | 162 .57 |
| Dec. " | 330 | 198 | 15 | 11 | 0 | 0 | 54 | 608 | 22 | 23 | 2 | 646 | 46 | 2 | 11 | 388 .37 | 15 .23 | 331 .27 |
| Totals | 4415 | 2272 | 134 | 77 | 6 | 23 | 1413 | 8340 * | 201 | 218 | 35 | 7881 | 474 | 127 | 83 | 4 ,518 .45 | 220 .59 | 2 ,948 .08 |

19 Alarms for assistance from other cities and towns not included.

# GRADE OF LOSSES FOR 1929.

| | | | |
|---|---|---|---|
| 5584 | Alarms with no loss | | |
| 1054 | Fires with loss under $100 | | $40,712.61 |
| 808 | " " " from $100 to $500 | | 187,681.17 |
| 239 | " " " " $500 to $1,000 | | 169,993.43 |
| 438 | " " " " $1,000 to $5,000 | | 1,006,439.83 |
| 86 | " " " " $5,000 to $10,000 | | 610,087.98 |
| 28 | " " " " $10,000 to $15,000 | | 334,333.98 |
| | Over $15,000 | | |
| 1 | Jan. 1, 1929 | 1783-9 Washington St., Worthy Lunch Co., et al | 25,236.85 |
| 1 | " 7, " | 183 Walnut Ave., Jennie Cantor, et al | 20,455.64 |
| 1 | " 10, " | 60 Mass. Ave., National Casket Co. | 55,827.37 |
| 1 | " 16, " | 1-3 Elbow St., Bay State Casket Co., et al | 25,429.50 |
| 1 | " 31, " | 18 Moreland St., Carlson Lumber Co. | 44,274.63 |
| 1 | Feb. 2, " | 113 Commonwealth Ave., Mrs. H. Frothingham, et al | 88,463.42 |
| 1 | " 2, " | 6-10 Beach St., J. Rogers & Co., et al | 16,153.50 |
| 1 | " 7, " | 15-17 Crawford St., G. Stern et al | 17,264.00 |
| 1 | Mar. 7, " | 300 N. Beacon St., Galassi Mosaic & Tile Co. | 38,457.48 |
| 1 | " 12, " | 37-9 Pearl St., Mrs. C. Hill, et al | 27,965.67 |
| 1 | " 13, " | 229-31 State St., H. A. Johnson Co., et al | 209,794.44 |
| 1 | Apr. 8, " | 110-20 Gerard St., Foss & Co., Inc. | 30,275.49 |
| 1 | " 9, " | 353 Charles St., L. Stern, et al | 17,953.62 |
| 1 | " 30, " | 284-6 Dorchester St., Isaac McLean Sons Co. | 24,021.10 |
| 1 | May 2, " | 484 Blue Hill Ave., N. Gadless, et al | 21,081.35 |
| 1 | " 17, " | 17-20 Lewis Whf., J. Breck & Sons, et al | 40,943.76 |
| 1 | " 19, " | 201-7 Hanover St., Savoy Clothing Co., et al | 22,433.45 |
| 1 | June 7, " | Boston Harbor U. S. Lighthouse Service | 25,000.00 |
| 1 | " 10, " | Maverick St., Skyways Inc., et al | 16,786.32 |
| 1 | " 12, " | 144 Sutherland Rd., L. Ellenbagen, et al | 15,012.72 |
| 1 | " 21, " | 576-88 Albany St., City Fuel Co., et al | 62,352.15 |
| 1 | July 5, " | 1973-9 Dorchester Ave., Mrs. A. Bibinsky, et al | 16,438.87 |
| 1 | " 8, " | 854-6 Washington St., J. Gorakian & Son, et al | 21,906.11 |
| 1 | " 10, " | 39-45 Sudbury St., Singer & Co., et al | 19,548.49 |
| 1 | " 15, " | Deer Island, Boston Harbor, City of Boston | 80,000.00 |
| 1 | " 16, " | 24-6 Canal St., Wm. Leavens & Co., Inc., et al | 80,287.74 |
| 1 | " 28, " | 286 Rutherford Ave., North Shore Fibre Co., et al | 50,118.11 |
| 1 | Aug. 10, " | 89-99 Chauncy St., S. Jacobs & Co., et al | 21,357.57 |
| 1 | Sept. 27, " | 401 Hanover St., St. Stephens Catholic Church | 60,905.00 |
| 1 | " 28, " | 130-6 Federal St., Harvard College, et al | 15,261.00 |
| 1 | " 29, " | 92 Essex St., Ferris & Robinson, et al | 17,099.12 |
| 1 | Oct. 8, " | 84-6 Fulton St., G. Zuffante Co., et al | 31,973.78 |
| 1 | " 17, " | 47-9 Granite St., American Sugar Refining Co. | 28,723.01 |
| 1 | " 20, " | Brighton Ave. & Cambridge St., Brighton Ave. Baptist Church | 26,465.00 |
| 1 | " 28, " | 1162-8 Washington St., H. Poorvu | 56,480.33 |
| 1 | Nov. 18, " | 132-40 Beach St., Keegan Leather Co., et al | 16,911.25 |
| 1 | " 26, " | 159-65 Mass. Ave., Taubman Stores Corp., et al | 15,982.44 |
| 1 | " 28, " | 292-4 Devonshire St., Bay State Florist Supply Co., et al | 18,120.44 |
| 1 | " 30, " | 120 Walnut Ave., Walnut Ave. Congregational Church | 132,175.26 |
| 1 | Dec. 10, " | 26-8 Winter St., Shepard Norwell Co., et al | 18,577.02 |
| 1 | " 10, " | 26 Ericson St., Geo. Lawley & Son Corp. | 97,606.32 |
| 1 | " 20, " | 468 Boylston St., Solov-Hinds Co., et al | 24,021.14 |
| 1 | " 26, " | 76-8 High St., Silverite Gutterman Co., et al | 85,536.95 |
| 8280 | | | 4,129,926.41 |
| 23 | Marine Losses | | 48,716.28 |
| 8303 | | | 4,178,642.69 |
| | Rents and U. & O. | | 16,509.12 |
| | | | 4,195,151.81 |
| 33 | Sprinkler Losses (no fire) | $49,139.74 | |
| 8336 | | | |

## CAUSES OF ALARMS AND OF ALARMS WITH LOSS DURING 1929.

| | | Alarms | Alarms with Loss |
|---|---|---|---|
| a1 | Assistance beyond City Limits | 19 | |
| | Arson | | |
| | Ashes | | |
| | Benzine | | |
| | Boilers | | |
| 1 | Chimneys, Flues, Cupolas and Stacks, overheated or defective | 108 | 49 |
| | Cigars, Cigarettes and Pipes | | |
| 2 | Conflagration | | |
| | Cotton Pickers | | |
| 3 | Electricity | 610 | 309 |
| 4 | Explosions | 273 | 133 |
| 5 | Exposure | 126 | 123 |
| 5a | False and Needless Alarms | 918 | |
| 6 | Fireworks, Fire Crackers, Balloons, etc. | 84 | 59 |
| | Flues | | |
| 7 | Friction—Sparks—Occasioned by running machinery, including Pickers, Carding Machines, Gins, etc. | 34 | 26 |
| | Furnaces | | |
| | Gas | | |
| 8 | Gas—Natural and Artificial | 62 | 40 |
| | Gasolene | | |
| 9 | Hot Ashes and Coals | 73 | 36 |
| 10 | Hot Grease, Oil, Tar, Wax, Asphalt, ignition of | 65 | 20 |
| 11 | Hot or Molten Metal | 4 | 2 |
| | Hot Water Pipes | | |
| 12 | Incendiarism | 24 | 22 |
| | Kerosene (See No. 19; also Explosions No. 4) | | |
| 13 | Lightning—buildings rodded | 0 | 0 |
| 14 | Lightning—buildings not rodded | 6 | 4 |
| | Locomotives | | |
| 15 | Matches | 679 | 469 |
| 16 | Miscellaneous—Cause known but not Classified | 459 | 74 |
| 17 | Open Fires | 109 | 7 |
| 18 | Open Lights | 150 | 89 |
| 19 | Petroleum and its products | 95 | 37 |
| | Pickers | | |
| | Railroad | | |
| 19a | Rekindling of a previous fire | 4 | 2 |
| 20 | Rubbish and Litter | 1920 | 2 |
| 21 | Smoking | 789 | 521 |
| 22 | Sparks—Arising from combustion | 159 | 94 |
| 23 | Sparks on Roof | 76 | 47 |
| 24 | Spontaneous Combustion | 89 | 64 |
| 24a | Sprinklers | 218 | 33 |
| | Stacks | | |
| 25 | Steam and Hot Water Pipes | 19 | 10 |
| 26 | Stoves, Furnaces, Boilers and their pipes | 816 | 169 |
| | Stove Pipes | | |
| 27 | Unknown | 348 | 311 |
| 28 | **Unknown origin but investigation important** | | |
| | Totals. | 8336 | 2752 |

This table includes 1413 fire department still alarms of which we were not notified, and 6 fires for which no alarm was given but which were extinguished by occupants.

# STATEMENT BY MONTHS OF INSURANCE AND LOSSES.

| Months | Buildings | | | Contents | | | Rents & U. & O. | | Vessels | | Sprinkler Losses (no fire) | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Insurance | Loss Insured. | Loss not Ins. | Insurance. | Loss Insured. | Loss not Ins. | Insurance. | Loss | Insurance. | Loss | Insurance | Loss |
| Jan. 1929 | $13,259,597.31 | $199,235.24 | $4,441.58 | $4,005,269.00 | $195,844.82 | $13,398.62 | $160,000.00 | $1,275.69 | $ 2,000.00 | $20,881.04 | $257,500.00 | $304.75 |
| Feb. " | 7,514,771.00 | 184,054.90 | 2,245.00 | 1,790,897.85 | 157,299.11 | 6,693.68 | 32,750.00 | 2,809.54 | | 11,000.00 | 5,000.00 | 3,230.00 |
| Mar. " | 9,091,585.29 | 301,427.20 | 2,254.73 | 2,036,227.39 | 245,879.65 | 40,013.81 | 12,900.00 | 2,941.63 | 64,000.00 | 6,800.69 | 341,020.00 | 40,268.93 |
| April " | 4,541,684.00 | 129,611.73 | 3,602.21 | 2,500,455.00 | 114,514.26 | 5,840.47 | | | 65,000.00 | 3,740.55 | | |
| May " | 6,727,053.00 | 99,828.69 | 2,919.23 | 5,004,656.88 | 113,344.89 | 6,995.50 | 3,900.00 | 1,032.75 | | | | 5.00 |
| June " | 4,922,474.00 | 138.408.02 | 30,886.60 | 3,708.370.00 | 71,557.19 | 12,951.52 | 2,214,000.00 | 1,497.52 | | 12.00 | | 25.00 |
| July " | 9,896,206.00 | 169,081.73 | 79,404.64 | 4,038,255.00 | 163,545.57 | 12,291.49 | 23,500.00 | 3,099.98 | | 2,000.00 | 130,000.00 | 131.72 |
| Aug. " | 3,532,284.00 | 90,531.09 | 2,353.68 | 1,546,802.00 | 68,199.90 | 7,872.00 | | | 10,000 .00 | 3,152.00 | 7,000.00 | 684.69 |
| Sept. " | 7,585,790.00 | 153,816.08 | 34,900.73 | 3,147,896.00 | 78,209.34 | 9,929.07 | 60,600.00 | 958.33 | | 80.00 | 165,500.00 | 1,943.32 |
| Oct. " | 9,534,557.15 | 198,291.64 | 9,316.63 | 4,758,734.00 | 110,390.73 | 14,857.00 | | | | | 14,000.00 | 2,326.33 |
| Nov. " | 7,857.559.34 | 253,252.06 | 1,560.73 | 1,859,107.00 | 121,313.76 | 15,800.78 | 32,000.00 | 1,503.69 | | | 2,500.00 | 195.00 |
| Dec. " | 6,589,963.00 | 233,577.87 | 5,424.88 | 6,545,828.00 | 204,514.01 | 8,242.35 | 51,233.00 | 1,389.99 | 45,000.00 | 1,050.00 | | 25.00 |
| Totals | $91,053,524.09 | $2,151,116.25 | $179,310.64 | $40,942,498.12 | $1,644,613.23 | $154,886.29 | $2,590,883.00 | $16,509.12 | *$186,000.00 | *$48,716.28 | $922.520.00 | $49,139.74 |

*Loss on Vessels not insured $17,242.00
*Insured loss on Vessels $31,474.28.

# STATISTICS FOR YEAR ENDING DECEMBER 31, 1929

| | | | |
|---|---|---|---|
| Population | | | 805,400 |
| Area Square Miles | | | 47.81 |
| Number of Brick, Stone, Concrete, Steel frame, B, etc. | | 42,190 | *133,504 |
| " " Wooden Buildings | | 91,314 | |
| " " Alarms, exclusive of False and Needless | | 7,181 | 8,336 |
| " " False and Needless Alarms | | 918 | |
| " " Calls to assist other Cities and Towns | | 19 | |
| " " Sprinkler System breaks and defects | | 218 | |
| " " Fires in Brick and Stone Buildings | | 2,350 | 7,181 |
| " " Fires in Wooden Buildings | | 1,648 | |
| " " Fires in Concrete Blocks | | 89 | |
| " " Fires in Fireproof | | 1 | |
| " " Fires in Ironclad | | 19 | |
| " " Fires in Reinforced Concrete | | 0 | |
| " " Fires not originating in Buildings | | 3,074 | |
| " " Fires confined to floor where fire originated | 3,620 | 4,107 | 7,181 |
| " " " confined to Building but not to floor of origin | 363 | | |
| " " " extending to adjoining Building | 89 | | |
| " " " extending beyond adjoining Building | 35 | | |
| " " " originating in Automobiles | 699 | 3,074 | |
| " " " not originating in Buildings | 2,296 | | |
| " " " not originating in, but involving Buildings | 79 | | |

* January 1, 1930. By courtesy of City of Boston Building Department.

| | Buildings including Docks, Vessels, Tank and Permanent Fixtures. | Contents | Total |
|---|---|---|---|
| Total Insurance on the property on which claim for loss was made | $93,830,407.09 | $40,942,498.12 | $134,772,905.21 |
| Total Insurance Loss | 2,182,590.53 | 1,644,613.23 | 3,827,203.76 |
| Total Loss (insured and uninsured) | 2,379,143.17 | 1,799,499.52 | 4,178,642.69 |
| Rents insured | | | 16,509.12 |
| Losses on buildings and contents in which fires originated, i.e., direct losses | 2,284,915.03 | 1,750,387.29 | 4,035,302.32 |
| Losses on buildings and contents in which the fires did not originate i.e., exposure losses | 94,228.14 | 49,112.23 | 143,340.37 |

### Review of grade of losses for ten years

| Years | Total Al'm. | No Loss | Under $100 | $100 to 500 | $500 to 1000. | $1000 to 5000. | $5000 to 10,000 | $10,000 to 15,000 | Over 15,000 |
|---|---|---|---|---|---|---|---|---|---|
| 1920 | 4688 | 2928 | 780 | 536 | 135 | 223 | 37 | 15 | 34 |
| 1921 | 5268 | 3320 | 820 | 612 | 167 | 227 | 53 | 25 | 44 |
| 1922 | 6184 | 4048 | 886 | 651 | 198 | 285 | 59 | 17 | 40 |
| 1923 | 7377 | 5069 | 977 | 693 | 168 | 319 | 76 | 33 | 54 |
| 1924 | 8117 | 5428 | 1037 | 804 | 239 | 405 | 105 | 40 | 59 |
| 1925 | 7678 | 4998 | 1005 | 831 | 253 | 390 | 104 | 31 | 66 |
| 1926 | 7787 | 5078 | 1045 | 773 | 277 | 422 | 90 | 39 | 63 |
| 1927 | 7351 | 4810 | 977 | 802 | 219 | 401 | 75 | 22 | 44 |
| 1928 | 7669 | 5143 | 979 | 789 | 230 | 325 | 89 | 26 | 38 |
| 1929 | 8336 | 5584 | *1081 | *820 | *241 | *419 | 87 | 29 | *15 |

*33 Sprinkler losses included, viz., 19 under $100. 8 from $100 to $500. 1 from $500 to $1,000. 5 from $1,000 to $5,000. 1 over $15,000

### Review of total alarms, fires with loss, loss, average loss of total alarms, and average loss of fires with loss, for ten years

| Years. | Total Alarms. | Fires with Loss | Loss. | Average Loss of Total Alarms. | Average Loss of Fires with Loss. |
|---|---|---|---|---|---|
| 1920 | 4,688 | 1,707 | $3,143,528.89 | $670.54 | $1,841.55 |
| 1921 | 5,268 | 1,910 | 4,017,158.64 | 762.56 | 2,103.22 |
| 1922 | 6,184 | 2,109 | 3,331,485.17 | 538.73 | 1,568.88 |
| 1923 | 7,377 | 2,271 | 6,323,331.48 | 857.17 | 2,784.38 |
| 1924 | 8,117 | 2,626 | 4,825,216.13 | 594.48 | 1,837.48 |
| 1925 | 7,678 | 2,632 | 5,474,749.06 | 713.04 | 2,080.07 |
| 1926 | 7,787 | 2,709 | 5,268,941.87 | 676.63 | 1,944.98 |
| 1927 | 7,351 | 2,541 | 3,937,329.78 | 535.62 | 1,549.52 |
| 1928 | 7,669 | 2,526 | 3,939,309.42 | 513.67 | 1,559.52 |
| 1929 | 8,336 | †2,719 | 4,195,151.81 | 503.25 | 1,542.90 |

The above tables include Still Alarms.

† Does not include 33 Sprinkler losses.

In conclusion, I desire to express my sincere thanks to the Fire and Police Departments for their active co-operation, and to all other departments or persons who have in any way assisted this Department during the past.

Respectfully submitted,

PETER E. WALSH,

*Acting Superintendent of Department.*

## MEDICAL EXAMINER'S REPORT

1929

PETER E. WALSH,
*Act. Supt Boston Protective Department.*

*Dear Sir:*—Your Medical Officer respectfully submits the following report for the year ending December 31, 1929:

| | |
|---|---|
| Applicants Examined | 1 |
| Promotions. Examinations for | 2 |
| Members. Visits to sick | 57 |
| Members. Visits to injured | 16 |
| Physicians reports. Attending | 141 |
| Special reports | 1 |
| Certificates. Return to duty | 76 |

W. F. TEMPLE Jr., M. D.
*Medical Officer, Boston Protective Department.*

## DESCRIPTIVE LIST OF MOTOR APPARATUS

| Rotation | Put in Service. | Maker's name | No. | Cooling System | Cylinders. No. | Cylinders. Size. | Cylinders. H.P. | Wheel Base. | Tire size. Front. | Tire size. Rear. | Weight Loaded. | Company Assigned | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | Oct. 17, 1910 | Knox Auto. Co. | 3788 | W | 4 | 5½ | 48 | 128 | 38 x 7 | 40 x 8 | 11,000 | 2 | |
| 7 | Nov. 10, 1914 | The White Co. | 21625 | W | 6 | 4¼ | 43 | 158½ | 38 x 7 | 40 x 8 | 10,500 | 3 | |
| 8 | " " " | " " " | 21626 | W | 6 | 4¼ | 43 | 158½ | 38 x 7 | 40 x 8 | 10,530 | 3 | Condemned. |
| 13 | Sep. 19, 1919 | " " " | 51184 | W | 4 | 4¼ | 28 | 157 | 38 x 7 | 40 x 8 | 10,700 | 1 | |
| 14 | Sep. 4, 1920 | Ford | 4051284 | W | 4 | 3¾ | 22 | 123 | 30 x 3½ | 32 x 4½ | ..... | 3 | |
| 15 | Sep. 4, 1923 | Mack Motor Co. | 471420 | W | 4 | 4¼ | 28 | 146½ | 38 x 7 | 40 x 8 | 10,700 | 2 | |
| 16 | Mar. 24, 1924 | " " " | 472114 | W | 4 | 4¼ | 28 | 146½ | 38 x 7 | 40 x 8 | 9,630 | 3 | |
| 17 | Aug. 5, 1924 | " " " | 472115 | W | 4 | 4¼ | 28 | 146½ | 38 x 7 | 40 x 8 | 11,000 | 1 | |
| 18 | Mar. 14, 1927 | " " " | 474143 | W | 4 | 4¼ | 28 | 146 | 38 x 7 | 40 x 8 | 10,420 | 2 | |
| F | Jun. 10, 1927 | The Buick Co. | 1858257 | W | 6 | 3½ | 29 | 120 | 33 x 600 | 33 x 600 | ..... | S | |

W — Water.

S Superintendent

## CALLS RESPONDED TO AND MILES TRAVELLED

| No. | Years | Calls | Miles | 1929 Calls | 1929 Miles | Totals Calls | Totals Miles |
|---|---|---|---|---|---|---|---|
| 3 | 1910-1929 Inclusive | 8,151 | 19,335.2 | 21 | 41.8 | 8,172 | 19,377.0 |
| 7 | 1914-1929 " | 8,147 | 17,774.9 | 1313 | 6,517.7 | 9,460 | 24,292.6 |
| 8 | 1914-1929 " | 8,375 | 20,453.1 | 262 | 1,292.2 | 8,637 | 21,745.3 |
| 13 | 1918-1929 " | 7,364 | 17,514.1 | 788 | 1,398.6 | 8,152 | 18,912.7 |
| 14 | 1920-1929 " | ..... | 17,717.0 | 9 | 2,220 | ..... | 19,937.0 |
| 15 | 1923-1929 " | 6,669 | 19,249.1 | 983 | 2,706 | 7,652 | 21,955.1 |
| 16 | 1924-1929 " | 6,121 | 30,668.6 | 1,890 | 8,759 | 8,011 | 39,427.6 |
| 17 | 1924-1929 " | 2,602 | 5,070.9 | 807 | 1,507.2 | 3,409 | 6,578.1 |
| 18 | 1927-1929 " | 2,500 | 6,540.0 | 1,374 | 3,290 | 3,874 | 9,830.0 |
| F | 1927-1929 " | ..... | 20,748.0 | 68 | 11,287 | ..... | 32,035.0 |

*4353.53.

# Boston Protective Department

## FIFTY-SEVENTH

# ANNUAL REPORT

FOR THE CALENDAR YEAR

1930

BOSTON PUBLIC LIBRARY

FIFTY-SEVENTH

# ANNUAL REPORT

OF THE

# Boston Protective Department

FROM

January 1, 1930 to January 1, 1931

# OFFICERS

---

*President:*

GEORGE B. PROCTOR

*Vice-President:*

A. W. BURKE

*Directors:*

To Serve until March, 1931

J. J. CORNISH H. G. FAIRFIELD

EDMUND WINCHESTER

To Serve until March, 1932

GEORGE B. PROCTOR A. W. BURKE

W. E. BURRAGE

To Serve until March, 1933

WILLARD C. HILL E. F. WOODS

R. A. BENTING

*Secretary-Treasurer:*
CHARLES W. GOODING

*Acting Superintendent:*
PETER E. WALSH

*Medical Officer:*
DR. WM. F. TEMPLE, JR.

Boston, Protective Department
March 23, 1931

BOSTON, January 1, 1931.

TO THE MEMBERS OF THE
BOSTON PROTECTIVE DEPARTMENT:

The Directors submit herewith the 57th Annual Report of the Department with the reports of the Superintendent, Treasurer, Medical Officer and statistical tables.

The Board recommends, first, that the active duties of the Department be continued for another year; second, that the Directors be authorized to expend for the maintenance of the Department during the year a sum not exceeding two hundred and ten thousand dollars.

For the Directors,
GEORGE B. PROCTOR,
President.

## TREASURER'S REPORT

---

### CURRENT INCOME AND EXPENSE ACCOUNT FOR THE YEAR ENDING DECEMBER 31, 1930

| | | |
|---|---|---|
| RECEIPTS: | | |
| Assessments | $202,880.42 | |
| Special Service | 1,666.70 | |
| 1929 Balance | 1,853.34 | |
| | | $206,400.46 |
| EXPENDITURES: | | |
| Pay Roll and Salaries | $162,391.06 | |
| Repairs of Houses | 3.464.96 | |
| Telephone and Fire Alarm | 1,411.71 | |
| Water, Light and Fuel | 3,881.04 | |
| Printing, Stamps and Office Supplies | 931.43 | |
| Auto Supplies and Repairs | 3,384.74 | |
| Miscellaneous Department Supplies | 1,547.62 | |
| New Equipment and Furnishings | 3,017.24 | |
| Repairs of Equipment | 173.19 | |
| Rent and Taxes | 15,435.24 | |
| Compensation and other Insurance | 8,180.92 | |
| Sundries | 802.43 | |
| Interest | 15.25 | |
| Total Expenditures | $204,636.83 | |
| Balance, December 31, 1930 | 1.763.63 | |
| | | $206,400.46 |

CHARLES W. GOODING, *Treasurer.*

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### STATEMENT OF ASSESSMENTS MADE IN 1930

| | | |
|---|---|---|
| July 1, 1929, to December 31, 1929: | | |
| Premiums on Fire & Sprinkler Damage | $4,154,547.74 at 2½% | $103,864.05 |
| January 1, 1930, to July 1, 1930: | | |
| Premiums on Fire & Sprinkler Damage | $4,168,848.90 at 2⅜% | $99,016.37 |
| | | $202,880.42 |

July 1, 1930, to December 31, 1930:
Premiums on Fire & Sprinkler Damage ..... $3,633,698.41

# SUPERINTENDENT'S REPORT.

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HEADQUARTERS BOSTON PROTECTIVE DEPARTMENT
OFFICE OF SUPT., NO. 3 INDIA SQ.

BOSTON, January 1st, 1931.

TO THE PRESIDENT AND BOARD OF DIRECTORS:

Gentlemen: — I herewith submit the Fifty-seventh Annual Report of operations of the Department for the year ending December 31st, 1930.

## CALLS AND SERVICE

The department responded to 2,915 City boxes, 1,097 Verbal, 155 Boston Automatic Fire Alarms, 104 American District Telegraph, which includes 88 Sprinkler Breaks, 181 Sprinkler Troubles, Total 4271; also 25 Water Damages, Total responses 4296.

The service rendered was 52 fire extinguishers used, 7,375 covers spread on merchandise at fires and other calls, 493 covers on roofs, 143 covers protecting merchandise after fires from storms. Total cover-used 8,011.

The hours service were 2,904.50 at fires, 240.23 protecting merchans dise &c after fires, and 2,251.13 privates detailed after fires. Total 5,396.26.

OF THE 8,500 ALARMS, 5,707 ALARMS OR 67.14 PER CENT WERE WITHOUT LOSS. (See grade of losses.)

The insured loss on buildings, contents, rents, vessels and cargoes was $4,680,034.75 divided as follows;

| | |
|---|---|
| Buildings | $2,319,726.03* |
| Contents | 2,273,936.42* |
| Rents & U. & O. | 67,117.30* |
| Vessels | 19,255.00* |
| TOTAL | $4,680,034.75* |

*NOTE—The amounts indicated represent only payments made, with estimates by insurance company adjusters for unsettled claims, as reported to the Department, for fire losses which occurred during the year, where fire alarms were given. The amounts do not include payments or estimates for losses by fires extinguished by occupants (no fire alarm being given) and other unreported fire losses, the total amount of which may be conservatively estimated at from 5% to 10% of these amounts.

## SPRINKLER LEAKAGE DAMAGE (Other Than Fires)

Building & Contents, Insurance $1,602,000.00. Insurance Loss $42,182.99*

*NOTE—The above includes only losses reported to the Department.

## ORGANIZATION OF DEPARTMENT.

Acting Superintendent, PETER E. WALSH.

| Co. No. 1. 124 Broad St. | Total | Co. No. 2. 4 Appleton St. | Total | Co. No. 3. 159-161 Roxbury St. | Total | Grand Total |
|---|---|---|---|---|---|---|
| Captain E. Abbott | 1 | S. A. McDonnell | 1 | A. F. Swift | 1 | 3 |
| Lieuts. J. J. Carty | | G. E. Blakeley | 1 | W. F. Bowers | 1 | 6 |
| Lieuts. J. F. Sullivan | | | | | | |
| Lieuts. M. J. Gleason | | | | | | |
| Lieuts. B. J. McTernan | 4 | | | | | |
| First Grade Privates | 28 | | 12 | | 11 | 51 |
| Totals | 33 | | 14 | | 13 | 60 |

PENSIONERS

| | |
|---|---|
| CAPTAINS | 2 |
| LIEUTENANT | 1 |
| | 63 |

## OPERATIONS OF THE DEPARTMENT.

| | | Co.No.1 | Co.No.2 | Co.No.3 |
|---|---|---|---|---|
| Responses to Alarms. | City Boxes | 847 | 918 | 1413 |
| | Still | 367 | 363 | 414 |
| | Automatic | 125 | 74 | 7 |
| | A. D. T. | 89 | 56 | 10 |
| | Totals | 1428 | 1411 | 1841 |
| Responded to by | Automobiles | 1235 | 1399 | 1733 |
| | Privates in outlying districts | 194 | ..... | 104 |
| Hours Duty | At fires and responding to calls | 933.46 | 870.23 | 1100.41 |
| | After fires protecting mdse. | 67.32 | 136.46 | 36.05 |
| | Details after fires | 889.46 | 1095.49 | 265.38 |
| | Totals | 1891.04 | 2102.58 | 1402.24 |
| Covers Used | At fires and sprinkler calls | 3606 | 2494 | 1275 |
| | On roofs after fires | 232 | 111 | 150 |
| | Protecting mdse. after fires | 9 | 49 | 85 |
| | Totals | 3847 | 2654 | 1510 |
| Extinguishers used | | 14 | 31 | 7 |

*The Second Section was called in service as follows:*

| | | Co.No. 1 | Co.No. 2 | Co.No.3 |
|---|---|---|---|---|
| On First Alarms | When first out section was at fire | 115 | 77 | 117 |
| | When both sec. were at previous fire | 9 | 14 | 4 |
| | While cov. adj. company district | 36 | 9 | 10 |
| On Second Alarms | | 22 | 19 | 21 |
| On Telephone calls | | 40 | 7 | 4 |
| On Messenger calls | | 3 | 0 | 0 |
| To Cover | Adjoining company district | 62 | 23 | 37 |
| | Totals | 287 | 149 | 193 |

| | Co.No.1 | Co.No.2 | Co.No.3 |
|---|---|---|---|
| No. fires at which roofs were protected | 81 | 57 | 72 |

# SPRINKLER RECORD.

## FIRES.

| Sprinklers Operating | Heads | Sprinkler Heads Replaced | Heads | Where Operated | No. | Condition of System when left | No. |
|---|---|---|---|---|---|---|---|
| 08 Fires of 1 head each | 108 | 104 Fires of 1 head each | 104 | Sub-Basement | 3 | O. K. | 165 |
| 35 " " 2 heads " | 70 | 32 " " 2 heads " | 64 | Basement | 58 | Partially Operative | 10 |
| 20 " " 3 " " | 60 | 20 " " 3 " " | 60 | First-floor | 31 | Shut Off | 15 |
| 11 " " 4 " " | 44 | 11 " " 4 " " | 44 | Second " | 23 | | |
| 5 " " 5 " " | 25 | 6 " " 5 " " | 30 | Third " | 25 | | |
| 5 " " 6 " " | 30 | 5 " " 6 " " | 30 | Fourth " | 19 | | |
| 1 " " 7 " " | 7 | 1 " " 13 " " | 13 | Fifth " | 23 | | |
| 1 " " 13 " " | 13 | 1 " " 21 " " | 21 | Sixth " | 9 | | |
| 1 " " 21 " " | 21 | | | Seventh " | 2 | | |
| 1 " " 22 " " | 22 | | | Eighth " | 2 | | |
| 1 " " 24 " " | 24 | | | Ninth " | 1 | | |
| 1 " " 30 " " | 30 | | | Tenth " | 1 | | |
| | | | | Eleventh floor | 1 | | |
| | | | | Twelfth " | 1 | | |
| 90 Totals | 454 | Totals | 366 | Totals | †199 | Totals | 190 |

† 1 Fire operated Basement and First Floor
1 " " " " Fourth "
1 " " Fourth " Fifth "
1 " " Third, Fourth & Sixth Floors
2 " " Second and Third "
2 " " Third " Fourth "

## SPRINKLER BREAKS

| Sprinklers Ruptured | Heads | Causes | No. | Condition of System when left | No. |
|---|---|---|---|---|---|
| 38 Breaks of 1 head ea. | 38 | Water freezing in heads | 21 | O. K. | 45 |
| 3 " " 2 heads ea. | 6 | " " " fittings | 1 | Partially Operative | 24 |
| 1 " " fitting | | " " " pipes | 5 | Shut Off | 19 |
| 24 " " Pipes | | " " " elbows | 14 | | |
| 13 " " Elbows | | " " " couplings | 6 | | |
| 9 " " Couplings | | Defective heads | 12 | | |
| | | " pipe | 1 | | |
| | | " check valve | 1 | | |
| | | Broken pipe | 3 | | |
| | | " coupling | 1 | | |
| | | Striking head | 5 | | |
| | | " pipe | 8 | | |
| | | Leaky pipe | 2 | | |
| | | " coupling | 2 | | |
| | | " head | 1 | | |
| | | Bursting pipe | 2 | | |
| | | Tampering with head | 1 | | |
| | | Split coupling | 1 | | |
| | | Unknown | 1 | | |
| 88 Totals | 41 | Totals | 88 | Totals | 88 |

## SPRINKLER TROUBLES

| No. | Cause | System Left | |
|---|---|---|---|
| 64 | Water in dry pipe system | O. K. | 133 |
| 44 | Water hammer | Partially operative | 26 |
| 1 | Water in alarm pot | Shut off | 22 |
| 12 | Working on system | | |
| 2 | Workman striking transmitter | | |
| 13 | Defective alarm pot | | |
| 2 | " transmitter | | |
| 2 | " alarm bell | | |
| 1 | " switches | | |
| 4 | Pumping up pressure | | |
| 2 | Leaky valve | | |
| 1 | " coupling | | |
| 1 | Air valve left open | | |
| 2 | System shut off | | |
| 1 | Ball check unseating | | |
| 1 | Testing system | | |
| 1 | Tampering with Alarm valve | | |
| 27 | Unknown | | |
| 181 | | | 181 |

## DUTY PERFORMED AT BREAKS AND TROUBLES

Hours service 202h. 01m. Extra duty 2h. 52m. Detail duty 87h, 54m. Covers spread 311

## DISTRICTS WHERE FIRES OCCURRED OR ALARMS WERE GIVEN

Including Fire Department Still Alarms.

| | |
|---|---|
| City Proper | 2538 |
| Roxbury District | 1294 |
| Charlestown | 320 |
| East Boston | 561 |
| South Boston | 569 |
| Dorchester | 1484 |
| West Roxbury | 847 |
| Brighton | 567 |
| Hyde Park | 302 |
| Boston Harbor | 1 |
| Brookline | 6 |
| Cambridge | 0 |
| Dedham | 4 |
| Somerville | 2 |
| Milton | 0 |
| Newton | 3 |
| Everett | 1 |
| Revere | 1 |
| Total | 8,500 |

## WHEN ALARMS OCCURRED

| Months | | Days of Week. | | Hours of the Day | | |
|---|---|---|---|---|---|---|
| 1930 | | | | | | |
| January | 635 | Monday | 1285 | Day Service | 6 to 7 A.M. | 99 |
| February | 566 | Tuesday | 1269 | | 7 to 8 " | 152 |
| March | 814 | Wednesday | 1175 | | 8 to 9 " | 216 |
| April | 952 | Thursday | 1156 | | 9 to 10 " | 295 |
| May | 754 | Friday | 1198 | | 10 to 11 " | 346 |
| June | 629 | Saturday | 1272 | | 11 to 12 Noon | 405 |
| July | 684 | Sunday | 1145 | | 12 to 1 P. M. | 469 |
| August | 547 | | | | 1 to 2 " " | 472 |
| September | 707 | | | | 2 to 3 " | 533 |
| October | 792 | | | | 3 to 4 " | 525 |
| November | 705 | | | | 4 to 5 " | 562 |
| December | 715 | | | | 5 to 6 " | 600 |
| | | | | Night Service | 6 to 7 " | 552 |
| | | | | | 7 to 8 " | 528 |
| | | | | | 8 to 9 " | 524 |
| | | | | | 9 to 10 " | 533 |
| | | | | | 10 to 11 " | 425 |
| | | | | | 11 to 12 Midnight | 330 |
| | | | | | 12 to 1 A. M. | 258 |
| | | | | | 1 to 2 " | 202 |
| | | | | | 2 to 3 " | 173 |
| | | | | | 3 to 4 " | 116 |
| | | | | | 4 to 5 " | 99 |
| | | | | | 5 to 6 " | 86 |
| Totals | *8500 | | *8500 | | | *8500 |

*3 Fires extinguished by occupants are included in these totals.

# STATEMENT BY MONTHS

## Of Alarms for Fires Responded to by One or More Companies of this Department, Together with Other Statistics

| Months. | Alarms attended by this Dept. | | | | Extinguished by occupant. No alarm given. | Water Damage Calls. | Still Alarms attended by Fire Department only. | Tota Alarms. | Sprinklers operated on fires. | Sprinkler breaks or defects | Alarms for fires on vessels | Covers Spread | | | Extinguishers used. | Duty at fires and responding to calls | Duty after fires protecting mdse. | Detail after fires. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | City Boxes. | Still. | Automatic. | A. D. T. | | | | | | | | At fires and sprinkler calls. | On roofs after fires. | Protecting mdse. after fires. | | Hrs. m | Hrs. m | Hrs. m |
| Jan. 1930 | 372 | 159 | 16 | 4 | 0 | 3 | 84 | 638 | 18 | 24 | 4 | 1098 | 71 | 0 | 6 | 446.30 | 22.20 | 303.43 |
| Feb " | 299 | 155 | 11 | 17 | 2 | 3 | 81 | 568 | 19 | 39 | 2 | 649 | 64 | 7 | 4 | 367.15 | 30.07 | 180.37 |
| Mar. " | 337 | 130 | 11 | 4 | 0 | 1 | 328 | 811 | 14 | 19 | 5 | 826 | 59 | 6 | 2 | 361.18 | 24.49 | 211.30 |
| April " | 321 | 131 | 12 | 7 | 0 | 1 | 481 | 953 | 15 | 17 | 4 | 835 | 36 | 1 | 0 | 278.00 | 21.24 | 217.08 |
| May " | 291 | 103 | 9 | 7 | 0 | 1 | 342 | 753 | 18 | 23 | 2 | 581 | 49 | 16 | 3 | 248.15 | 19.47 | 82.41 |
| June " | 206 | 90 | 8 | 8 | 0 | 3 | 316 | 631 | 15 | 22 | 3 | 398 | 43 | 1 | 7 | 173.22 | 11.22 | 192.06 |
| July " | 242 | 70 | 9 | 6 | 0 | 0 | 354 | 681 | 14 | 20 | 1 | 252 | 34 | 0 | 4 | 180.00 | 7.43 | 364.28 |
| Aug. " | 194 | 60 | 16 | 5 | 1 | 1 | 270 | 547 | 10 | 14 | 2 | 489 | 16 | 0 | 4 | 165.04 | 9.39 | 45.48 |
| Sept. " | 133 | 52 | 13 | 6 | 0 | 2 | 502 | 708 | 11 | 21 | 3 | 311 | 32 | 0 | 2 | 122.32 | 6.58 | 67.45 |
| Oct. " | 175 | 45 | 13 | 13 | 0 | 0 | 544 | 790 | 17 | 16 | 2 | 503 | 30 | 52 | 5 | 162.58 | 21.04 | 151.01 |
| Nov. " | 172 | 49 | 18 | 11 | 0 | 2 | 453 | 705 | 17 | 21 | 3 | 523 | 28 | 17 | 5 | 180.16 | 13.12 | 158.35 |
| Dec. " | 173 | 53 | 19 | 16 | 0 | 8 | 454 | 723 | 22 | 33 | 2 | 910 | 31 | 43 | 1 | 219.20 | 51.58 | 275.51 |
| Totals | 2915 | 1097 | 155 | 104 | 3 | 25 | 4209 | 8508 * | 190 | 269 | 33 | 7375 | 493 | 143 | 43 | 2,904.50 | 240.23 | 2,251.13 |

*17 Alarms for assistance from other cities and towns not included.

## CAUSES OF ALARMS AND OF ALARMS WITH LOSS

## DURING 1930.

| | | Alarms | Alarms with Loss |
|---|---|---|---|
| a1 | Assistance beyond City Limits | 17 | |
| 1 | Chimneys, Flues, Cupolas and Stacks, overheated or defective | 115 | 62 |
| 2 | Conflagration | | |
| 3 | Electricity | 665 | 341 |
| 4 | Explosions | 307 | 127 |
| 5 | Exposure | 128 | 123 |
| 5a | False and Needless Alarms | 1112 | |
| 6 | Fireworks, Fire Crackers, Balloons, etc. | 44 | 22 |
| 7 | Friction—Sparks—Occasioned by running machinery, including Pickers, Carding Machines, Gins, etc. | 54 | 26 |
| 8 | Gas—Natural and Artificial | 63 | 37 |
| 9 | Hot Ashes and Coals | 82 | 48 |
| 10 | Hot Grease, Oil, Tar, Wax, Asphalt, ignition of | 153 | 30 |
| 11 | Hot or Molten Metal | 65 | 26 |
| 12 | Incendiarism | 32 | 27 |
| 13 | Lightning—buildings rodded | | |
| 14 | Lightning—buildings not rodded | 5 | 4 |
| 15 | Matches | 689 | 443 |
| 16 | Miscellaneous—Cause known but not Classified | 140 | 17 |
| 17 | Open Fires | 62 | 1 |
| 18 | Open Lights | 146 | 75 |
| 19 | Petroleum and its products | 116 | 47 |
| 19a | Rekindling of a previous fire | 6 | 1 |
| 20 | Rubbish and Litter | 1787 | 4 |
| 21 | Smoking | 969 | 632 |
| 22 | Sparks—Arising from combustion | 185 | 91 |
| 23 | Sparks on Roof | 66 | 48 |
| 24 | Spontaneous Combustion | 126 | 71 |
| 24a | Sprinklers | 269 | 63 |
| 25 | Steam and Hot Water Pipes | 15 | 3 |
| 26 | Stoves, Furnaces, Boilers and their pipes | 782 | 157 |
| 27 | Unknown | 300 | 267 |
| 28 | **Unknown origin but investigation important** | | |
| | Totals. | 8500 | 2793 |

This table includes 2596 fire department still alarms of which we were not notified, and 3 fires for which no alarm was given but which were extinguished by occupants.

# GRADE OF LOSSES FOR 1930.

(Insured Loss with Estimates of Un-insured Loss)

| | | | |
|---|---|---|---|
| 5707 | Alarms with no loss | | |
| 1021 | Fires with loss under $100 | | $39,443.89 |
| 788 | " " " from $100 to $500 | | 183,770.80 |
| 260 | " " " " $500 to $1,000 | | 184,908.90 |
| 451 | " " " " $1,000 to $5,000 | | 1,039,418.44 |
| 93 | " " " " $5,000 to $10,000 | | 653,249.97 |
| 35 | " " " " $10,000 to $15,000 | | 447,794.86 |
| | Over $15,000 | | |
| 1 | Jan. 2, 1930 | 7 Jackson St., Atlas Garment Co., et al | 25,670.34 |
| 1 | " 3, " | 556-70 Washington St., E. Gilman, et al | 17,888.75 |
| 1 | " 12, " | 37-41 Court St., F. X. McGrath, et al | 31,128.27 |
| 1 | " 13, " | 121 Gove St., Our Lady of Mt. Carmel Church | 15,040.00 |
| 1 | " 13, " | 67 Broad St., High Grade Shoe Repairing Co., et al | 17,451.87 |
| 1 | " 14, " | 20-2 Canal St., General Furniture Co., et al | 36,079.68 |
| 1 | " 15, " | North Harvard St., Harvard Athletic Assoc. | 119,446.19 |
| 1 | " 29, " | Rear 80 Border St., Bethlehem Shipbuilding Corp. | 34,000.00 |
| 1 | Feb. 1, " | George St., Boston Elevated R. R. | 20,036.87 |
| 1 | " 9, " | 25 Wayne St., M. Eisenberg, et al | 15,739.30 |
| 1 | " 12, " | 220 Friend St., Mass. Gas & Electric Co., et al | 18,732.82 |
| 1 | " 13, " | 439 Albany St., Boston Elevated R. R. | 88,881.00 |
| 1 | " 19, " | 172 Merrimac St., Samuel Fredberg | 16,753.06 |
| 1 | Mar. 1, " | 227-9 Washington St., Thompson Spa, Inc. | 105,033.50 |
| 1 | " 6, | 335 Shawmut Ave., G. Rexines, et al | 27,639.25 |
| 1 | 12, | 92-100 Portland St., Modern Curtains Co., et al | 18,375.62 |
| 1 | 22, | 49-50 S. Market St., A. Lipp, et al | 16,063.18 |
| 1 | 22, | 34-8 Lancaster St., Eddie's Fur Shop, et al | 22,975.28 |
| 1 | " 23, " | 24 Ralston Rd., Massachusetts Potteries, et al | 21,181.86 |
| 1 | " 27, " | 556-70 Washington St., R. H. White Co., et al | 63,067.69 |
| 1 | Apr. 5, " | 195-205 A St., Economy Grocery Stores Corp., et al | 46,712.77 |
| 1 | " 22, " | 34-6 India St., Natural Products Co., et al | 66,190.85 |
| 1 | " 30, | Off C St., Walworth Co. | 32,390.00 |
| 1 | May 8, " | 53-5 Portland St., A. H. Morrison & Sons., et al | 47,806.47 |
| 1 | " 19, " | 252-4 Congress St., United China, Inc., et al | 15,108.25 |
| 1 | " 27, " | 3190 Washington St., M. Lane & Co., et al | 50,150.11 |
| 1 | " 31, " | 255 Berkeley St., J. C. Rogers, et al | 16,718.14 |
| 1 | June 6, " | L. St., Draw Bridge, City of Boston | 250,000.00 |
| 1 | " 7, " | 15-21 Bromfield St., J. Tarr, et al | 20,206.51 |
| 1 | " 11, | 25-43 Kneeland St., Fashion Cloak and Suit Co., et al | 16,129.05 |
| 1 | 23, " | 104-12 A St., J. J. White Co., Inc., et al | 23,297.45 |
| 1 | " 25, " | 107-9 W. Brookline St., United Furniture Factories | 19,652.68 |
| 1 | " 28, " | Off Austin St., Boston & Maine R. R. | 45,000.00 |
| 1 | July 4, " | 141-53 Medford St., Palmer Parker Co., et al | 193,132.71 |
| 1 | " 16, | 9-19 Braintree St., E. T. Ryan Iron Works, Inc., et al | 33,657.96 |
| 1 | " 29, " | 217 Newbury St., M. E. Casey, et al | 37,466.00 |
| 1 | " 31, " | 146 Northern Ave., N. Y., N. H. & H. R. R., et al | 24,287.44 |
| 1 | Aug. 5, " | 7-9 Dixwell St., F. E. Burnes, et al | 21,123.68 |
| 1 | " 8, " | 221-3 Endicott St., Sneirerson Bros., et al | 24,025.00 |
| 1 | " 17, " | 60 Factory St., Park Mills, et al | 31,871.21 |
| 1 | " 19, " | 309-15 Huntington Ave., Rush Co., et al | 31,387.00 |
| 1 | Sept. 6, " | 265 Tremont St., Shubert Theatre Corp. | 20,851.54 |
| 1 | " 18, " | 19-27 Sudbury St., Prime Upholstering Co., et al | 18,578.14 |
| 1 | " 24, " | R-368 Albany St., Cronin Lumber Co., et al | 22,624.34 |
| 1 | Oct. 1, " | 1044 Washington St., Apollo Theatre Co., et al | 18,600.00 |
| 1 | " 10, " | 479 Beacon St., Oscar Bauer, et al | 23,145.13 |
| 1 | " 15, " | 560 Harrison Ave., Phoenix Shoe Co., et al | 15,151.98 |
| 1 | " 18, " | 91 Summer St., Abbotts, Inc., et al | 19,391.31 |
| 1 | " 24, " | 186-92 Portland St., Standard Upholstering Co., et al | 24,361.58 |
| 1 | Nov. 1, " | 594-616 Washington St., Marvin Shoe Stores, et al | 20,915.84 |
| 1 | " 2, " | 25-29 Tremont St., Martins Womens Shop, et al | 24,875.42 |
| 1 | " 2, " | 44-6 La Grange St., A. Steinert, et al | 39,196.74 |
| 1 | " 7, " | 153-5 Fulton St., National Distributing Co., et al | 16,275.07 |
| 1 | " 19, " | 26-32 Atlantic Ave., Philip Goldstein Co., et al | 21,161.03 |
| 1 | " 20, " | 34-36 South St., Old Colony Rynak Leather Co., et al | 74,755.30 |
| 1 | " 26, " | 15-17 Columbia St., Adler Richards Co., et al | 16,839.92 |
| 1 | Dec. 4, " | 133-5 Essex St., Glaser Bros., Inc., et al | 37,468.66 |
| 1 | " 10, " | 96 Essex St., Economy Umbrella Mfg. Co., et al | 159,959.78 |
| 1 | " 13, " | 201-13 Essex St., B. Shir, et al | 19,542.52 |
| 1 | " 19, " | 55-63 Summer St., The New Hat & Frame Co., et al | 20,148.00 |
| 1 | " 22, " | 102-6 South St., H. Goldberg & Co., et al | 27,919.79 |
| 1 | " 23, " | 6-10 Beach St., Queen Quality Undergarment Co., et al | 20,906.54 |
| 1 | " 23, " | 392-4 Boylston St., George Gechijian, et al | 27,849.50 |
| 1 | " 24, " | 11 Columbia St., John Hetherington & Sons, et al | 116,043.13 |
| 1 | " 27, " | 162-4 Lincoln St., Sobel Shoes, Inc., et al | 18,895.00 |
| 8420 | | | 5,151,540.93 |
| 17 | Marine Losses | | 23,130.00 |
| 8437 | | | 5,174,670.93 |
| | Rents and U. & O. | | 67,117.30 |
| | | | 5,241,788.23 |
| 63 | Sprinkler Losses (no fire) | $42,182.99 | |
| 8500 | | | |

# STATEMENT BY MONTHS OF INSURANCE AND INSURED LOSSES.

| | Buildings | | Contents | | Rents & U. & O. | | Vessels | | Sprinkler Losses (no fire) | |
|---|---|---|---|---|---|---|---|---|---|---|
| Months | Insurance | Loss Insured | Insurance. | Loss Insured. | Insurance. | Loss | Insurance. | Loss | Insurance | Loss |
| Jan. 1930 | $8,543,104.00 | $306,704.08 | $3,896,406.53 | $202,892.10 | $129,162.00 | $6,049.80 | $150,000.00 | $3,650.00 | $146,000.00 | $10,858.53 |
| Feb. " | 10,104,564.00 | 245,479.25 | 1,444,132.00 | 155,906.02 | 56,600.00 | 1,475.81 | | 250.00 | 400,750.00 | 13,323.96 |
| Mar. " | 5,209,738.00 | 228,040.75 | 5,454,011.50 | 315,804.88 | 901,162.00 | 43,280.34 | 303,000.00 | 11,600.00 | 450,000.00 | 516.11 |
| Apr. " | 6,401,341.50 | 128,892.69 | 1,799,670.00 | 177,429.44 | 5,000.00 | 700.00 | 150,000.00 | 5,650.00 | 61,500.00 | 7,144.96 |
| May " | 11,107,325.00 | 248,539.03 | 1,368,026.51 | 130,171.41 | 16,600.00 | 1,249.98 | | 5.00 | 10,000.00 | 995.60 |
| June " | 5,269,375.00 | 115,422.18 | 2,613,186.00 | 99,753.56 | 14,850.00 | 2,038.00 | | 200.00 | 57,000.00 | 646.80 |
| July " | 11,226,299.85 | 158,054.64 | 2,414,996.00 | 292,292.60 | 50,000.00 | 1,000.00 | | | 2,000.00 | 227.28 |
| Aug. " | 6,390,553.00 | 149,154.16 | 5,717,253.26 | 85,774.06 | 401,500.00 | 2,390.34 | 5,000.00 | 115.00 | | 55.00 |
| Sept " | 10,269,690.00 | 97,245.76 | 10,826,927.00 | 61,180.57 | 1,440.00 | 40.00 | | 300.00 | | 25.00 |
| Oct. " | 5,189,181.00 | 164,016.91 | 2,078,094.00 | 132,714.54 | | | | 300.00 | 97,250.00 | 5,490.95 |
| Nov. " | 7,065 741.00 | 190,081.12 | 2,223,463.00 | 203,603.02 | 51,500.00 | 908.15 | 1,000.00 | 560.00 | 25,000.00 | 334.94 |
| Dec. " | 9,092,135.00 | 287,795.46 | 2,816,908.59 | 416,414.22 | 252,500.00 | 7,984.88 | | 500.00 | 352,500.00 | 2,563.86 |
| Totals | $95,869,047.35 | $2,319,726.03 ** | $42,653,074.39 | $2,273,936.42 ** | $1,880,314.00 | $67,117.30 ** | $609,000.00 | *$23,130.00 ** | $1,602,000.00 | $42,182.99 ** |

*NOTE—The amounts indicated represent only payments made, with estimates by insurance company adjusters for unsettled claims, as reported to the Department, for fire losses which occurred during the year, where fire alarms were given. The amounts do not include payments or estimates for losses by fires extinguished by occupants (no fire alarm being given) and other unreported fire losses, the total amount of which may be conservatively estimated at from 5% to 10% of these amounts.

# STATISTICS FOR YEAR ENDING DECEMBER 31, 1930

| | | | |
|---|---|---|---|
| Population | | | 805,400 |
| Area Square Miles | | | 47.81 |
| Number of Brick, Stone, Concrete, Steel frame, B, etc. | | 42,879 | *135,183 |
| " " Wooden Buildings | | 92,304 | |
| " " Alarms, exclusive of False and Needless | | 7,102 | 8,500 |
| " " False and Needless Alarms | | 1,112 | |
| " " Calls to assist other Cities and Towns | | 17 | |
| " " Sprinkler System breaks and defects | | 269 | |
| " " Fires in Brick and Stone Buildings | | 2,266 | 7,102 |
| " " Fires in Wooden Buildings | | 1,678 | |
| " " Fires in Concrete Blocks | | 25 | |
| " " Fires in Fireproof | | 4 | |
| " " Fires in Ironclad | | 13 | |
| " " Fires in Reinforced Concrete | | 22 | |
| " " Fires not originating in Buildings | | 3,094 | |
| " " Fires confined to floor where fire originated | 3,533 | 4,008 | 7,102 |
| " " " confined to Building but not to floor of origin | 345 | | |
| " " " extending to adjoining Building | 82 | | |
| " " " extending beyond adjoining Building | 48 | | |
| " " " originating in Automobiles | 834 | 3,094 | |
| " " " not originating in Buildings | 2,228 | | |
| " " " not originating in, but involving Buildings | 32 | | |

* January 1, 1931. By courtesy of City of Boston Building Department.

| | Buildings | Contents | Rent & U & O | Vessels | Total |
|---|---|---|---|---|---|
| Total Insurance where claim for loss was made | $95,869,047.35 | $42,653,074.39 | $1,880,314.00 | $609,000.00 | $141,011,435.74 |
| Total Insurance Loss | 2,319,726.03 | 2,273,936.42 | 67,117.30 | 19,255.00 | 4,680,034.75* |
| Losses where fires originated, i. e., direct losses | 2,223,827.42 | 2,040,143.29 | 67,117.30 | 19,255.00 | 4,350,343.01* |
| Losses Where fires did not originate, i. e., exposure losses | 95,898 61 | 233,793.13 | | | 329,691.74* |

*NOTE—The amounts indicated represent only payments made, with estimates by insurance company adjusters for unsettled claims, as reported to the Department, for fire losses which occurred during the year, where fire alarms were given. The amounts do not include payments or estimates for losses by fires extinguished by occupants (no fire alarm being given) and other unreported fire losses, the total amount of which may be conservatively estmated at from 5% to 10% ofthese amounts.

**Review of grade of losses for ten years**

(Insured Loss with Estimates of Un-insured Loss)

| Years | Total Al'm. | No Loss | Under $100 | $100 to 500 | $500 to 1000. | $1000 to 5000. | $5000 to 10,000 | $10,000 to 15,000 | Over 15,000 |
|---|---|---|---|---|---|---|---|---|---|
| 1921 | 5268 | 3320 | 820 | 612 | 167 | 227 | 53 | 25 | 44 |
| 1922 | 6184 | 4048 | 886 | 651 | 198 | 285 | 59 | 17 | 40 |
| 1923 | 7377 | 5069 | 977 | 693 | 168 | 319 | 76 | 33 | 54 |
| 1924 | 8117 | 5428 | 1037 | 804 | 239 | 405 | 105 | 40 | 59 |
| 1925 | 7678 | 4998 | 1005 | 831 | 253 | 390 | 104 | 31 | 66 |
| 1926 | 7787 | 5078 | 1045 | 773 | 277 | 422 | 90 | 39 | 63 |
| 1927 | 7351 | 4810 | 977 | 802 | 219 | 401 | 75 | 22 | 44 |
| 1928 | 7669 | 5143 | 979 | 789 | 230 | 325 | 89 | 26 | 38 |
| 1929 | 8336 | 5584 | 1081 | 820 | 241 | 449 | 87 | 29 | 45 |
| 1930 | 8500 | 5707 | *1060 | *803 | *271 | *461 | *98 | 35 | 65 |

*63 Sprinkler losses included, viz., 35 under $100. 9 from $100 to $500. 9 from $500 to $1,000. 7 from $1,000 to $5,000. 3 from $5,000 to $10,000

**Review of total alarms, fires with loss, loss, average loss of total alarms, and average loss of fires with loss, for ten years**

(Insured Loss with Estimates of Un-insured Loss)

| Years. | Total Alarms. | Fires with Loss | Loss. | Average Loss of Total Alarms. | Average Loss of Fires with Loss. |
|---|---|---|---|---|---|
| 1921 | 5,268 | 1,910 | $4,017,158.64 | $762.56 | $2,103.22 |
| 1922 | 6,184 | 2,109 | 3,331,485.17 | 538.73 | 1,568.88 |
| 1923 | 7,377 | 2,271 | 6,323,331.48 | 857.17 | 2,784.38 |
| 1924 | 8,117 | 2,626 | 4,825,216.13 | 594.48 | 1,837.48 |
| 1925 | 7,678 | 2,632 | 5,474,749.06 | 713.04 | 2,080.07 |
| 1926 | 7,787 | 2,709 | 5,268,941.87 | 676.63 | 1,944.98 |
| 1927 | 7,351 | 2,541 | 3,937,329.78 | 535.62 | 1,549.52 |
| 1928 | 7,669 | 2,526 | 3,939,309.42 | 513.67 | 1,559.52 |
| 1929 | 8,336 | 2,719 | 4,195,151.81 | 503.25 | 1,542.90 |
| 1930 | 8,500 | †2,730 | 5,241,788.23 | 616.68 | 1,920.07 |

The above tables include Still Alarms.

† Does not include 63 Sprinkler losses.

In conclusion, I desire to express my sincere thanks to the Fire and Police Departments for their active co-operation, and to all other departments or persons who have in any way assisted this Department during the past.

Respectfully submitted,

PETER E. WALSH,

*Acting Superintendent of Department.*

## MEDICAL EXAMINER'S REPORT

1930

PETER E. WALSH,
*Act. Supt Boston Protective Department.*

*Dear Sir:*—Your Medical Officer respectfully submits the following report for the year ending December 31, 1930:

| | |
|---|---|
| Applicants Examined | 0 |
| Promotions. Examinations for | 2 |
| Members. Visits to sick | 27 |
| Members. Visits to injured | 23 |
| Physicians reports. Attending | 111 |
| Special reports | 0 |
| Certificates. Return to duty | 55 |

W. F. TEMPLE Jr., M. D.
*Medical Officer, Boston Protective Department.*

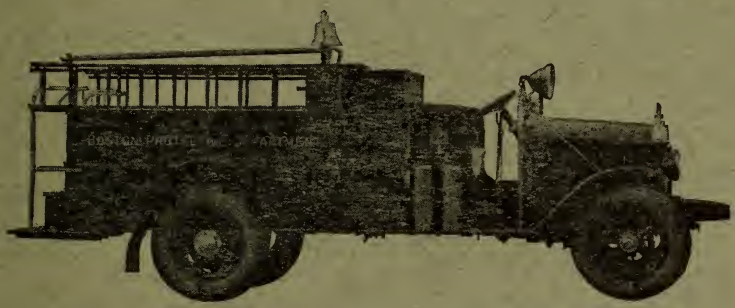
## DESCRIPTIVE LIST OF MOTOR APPARATUS

## CALLS RESPONDED TO AND MILES TRAVELLED

| Rotation No. | Put in Service. | Maker's name | No. | Company Assigned | Weight Loaded. | Totals to Dec. 31. 1929 | | 1930 | | Totals to Dec. 31, 1930 | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Calls | Miles | Calls | Miles | Calls | Miles | |
| 3 | Oct. 17, 1910 | Knox Auto. Co. | 3788 | 2 | 11,000 | 8,172 | 19,377.0 | 16 | 60. | 8,188 | 19,437.0 | Condemned. |
| 7 | Nov. 10, 1914 | The White Co. | 21625 | 3 | 10,500 | 9,460 | 24,292.6 | 266 | 1,272. | 9,726 | 25,564.6 | |
| 13 | Sep. 19, 1919 | " " " | 51184 | 2 | 10,700 | 8,152 | 18,912.7 | 291 | 837. | 8,443 | 19,749.7 | |
| 14 | Sep. 4, 1920 | Ford Motor Co. | 4051284 | 3 | ..... | ..... | 19,937.0 | ..... | 1,853. | ..... | 21,790.0 | |
| 15 | Sep. 4, 1923 | Mack " " | 471420 | 1 | 10,700 | 7,652 | 21,955.1 | 835 | 1,871. | 8,487 | 23,826.1 | |
| 16 | Mar. 24, 1924 | " " " | 472114 | 3 | 9,630 | 8,011 | 39,427.6 | 1,436 | 5,820. | 9,447 | 45,427.6 | |
| 17 | Aug. 5, 1924 | " " " | 472115 | 1 | 11,000 | 3,409 | 6,578.1 | 606 | 1,698. | 4,015 | 8,276.1 | |
| 18 | Mar. 14, 1927 | " " " | 474143 | 2 | 10,420 | 3,874 | 9,830.0 | 930 | 2,095. | 4,804 | 11,925.0 | |

*4353.53

# Boston Protective Department



## FIFTY-EIGHTH

# ANNUAL REPORT

FOR THE CALENDAR YEAR

1931

BOSTON PUBLIC LIBRARY

FIFTY-EIGHTH

# ANNUAL REPORT

OF THE

# Boston Protective Department

FROM

January 1, 1931 to January 1, 1932

Boston. Protective Department
March 30, 1932.



# OFFICERS

---

*President:*

GEORGE B. PROCTOR

*Vice-President:*

A. W. BURKE

*Directors:*

To Serve until March, 1932

GEORGE B. PROCTOR — A. W. BURKE

W. E. BURRAGE

To Serve until March, 1933

WILLARD C. HILL — E. F. WOODS

R. A. BENTING

To Serve until March, 1934

J. J. CORNISH — H. G. FAIRFIELD

EDMUND WINCHESTER

*Secretary-Treasurer:*
CHARLES W. GOODING

*Acting Superintendent:*
PETER E. WALSH

*Medical Officer:*
DR. WM. F. TEMPLE, JR.

Boston, January 1, 1932.

To the Members of the
Boston Protective Department:

The Directors submit herewith the 58th Annual Report of the Department with the reports of the Superintendent, Treasurer, Medical Officer and statistical tables.

The Board recommends, first, that the active duties of the Department be continued for another year; second, that the Directors be authorized to expend for the maintenance of the Department during the year a sum not exceeding two hundred thousand dollars.

For the Directors,
GEORGE B. PROCTOR,
President.

## TREASURER'S REPORT

---

### CURRENT INCOME AND EXPENSE ACCOUNT FOR THE YEAR ENDING DECEMBER 31, 1931

| | | |
|---|---|---|
| RECEIPTS: | | |
| Assessments | $181,777.58 | |
| Special Service | 1,874.04 | |
| 1930 Balance | 1,763.63 | |
| | | $185,415.25 |
| EXPENDITURES: | | |
| Pay Roll and Salaries | $148,846.89 | |
| Repairs of Houses | 886.35 | |
| Telephone | 1,482.68 | |
| Water, Light and Fuel | 4,127.15 | |
| Printing, Stamps and Office Supplies | 1,061.09 | |
| Auto Supplies and Repairs | 1,575.43 | |
| Miscellaneous Department Supplies | 957.83 | |
| New Equipment and Furnishings | 203.88 | |
| Repairs of Equipment | 90.58 | |
| Rent and Taxes | 15,616.44 | |
| Compensation and other Insurance | 7,237.89 | |
| Sundries | 450.86 | |
| Total Expenditures | $182,537.07 | |
| Cash Balance, December 31, 1931 | 1.378.18 | |
| Reserve for Depreciation of Motor Apparatus | 1,500.00 | |
| | | $185,415.25 |

CHARLES W. GOODING, *Treasurer.*

---

### STATEMENT OF ASSESSMENTS MADE IN 1931

| | | |
|---|---|---|
| July 1, 1930, to December 31, 1930: | | |
| Premiums on Fire & Sprinkler Damage | $3,639,816.04 at 2½% | $90,995 57 |
| January 1, 1931, to July 1, 1931: | | |
| Premiums on Fire & Sprinkler Damage | $3,631,271.12 at 2½% | $90,782.01 |
| | | $181,777.58 |

July 1, 1931, to December 31, 1931:
Premiums on Fire & Sprinkler Damage ..... $3,101,318,65

# SUPERINTENDENT'S REPORT.

---

HEADQUARTERS BOSTON PROTECTIVE DEPARTMENT
OFFICE OF SUPT., NO. 3 INDIA SQ.

BOSTON, January 1st, 1932.

TO THE PRESIDENT AND BOARD OF DIRECTORS:

Gentlemen:—I herewith submit the Fifty-eighth Annual Report of operations of the Department for the year ending December 31st, 1931.

## CALLS AND SERVICE

The department responded to 2,039 City boxes, 458 Verbal, 151 Boston Automatic Fire Alarms, 152 American District Telegraph, which includes 57 Sprinkler Breaks, 208 Sprinkler Troubles, Total 2800; also 15 Water Damages, Total responses 2815.

The service rendered was 23 fire extinguishers used, 5,839 covers spread on merchandise at fires and other calls, 671 covers on roofs, 52 covers protecting merchandise after fires from storms. Total cover-used 6,562.

The hours service were 2,080.16 at fires, 191.06 protecting merchandise &c after fires, and 2,267.50 privates detailed after fires. Total 4,539.12.

OF THE 8,728 ALARMS, 5,777 ALARMS OR 66.18 PER CENT WERE WITHOUT LOSS. (See grade of losses.)

The insured loss on buildings, contents, rents, vessels and cargoes was $4,201,708.83 divided as follows;

| | |
|---|---|
| Buildings | $2,313,233.98 |
| Contents | 1,823,623.39 |
| Rents & U. & O. | 14,237.61 |
| Vessels | 50,613.85 |
| TOTAL | $4,201,708.83* |

*NOTE—The amounts indicated represent only payments made, with estimates by insurance company adjusters for unsettled claims, as reported to the Department, for fire losses which occurred during the year, where fire alarms were given. The amounts do not include payments or estimates for losses by fires extinguished by occupants (no fire alarm being given) and other unreported fire losses, the total amount of which may be conservatively estimated at from 5% to 10% of this amount.

## SPRINKLER LEAKAGE DAMAGE (Other Than Fires)

Building & Contents, Insurance $1,773,589.00. Insurance Loss $87,015.83†

†NOTE—The above includes only losses reported to the Department.

## ORGANIZATION OF DEPARTMENT.

Acting Superintendent, PETER E. WALSH.

| Co. No. 1. 124 Broad St. | Total | Co. No. 2. 4 Appleton St. | Total | Co. No. 3. 159-161 Roxbury St. | Total | Grand Total |
|---|---|---|---|---|---|---|
| Captain E. Abbott | 1 | S. A. McDonnell | 1 | A. F. Swift | 1 | 3 |
| Lieuts. J. J. Carty | | G. E. Blakeley | 1 | W. F. Bowers | 1 | 6 |
| Lieuts. J. F. Sullivan | | | | | | |
| Lieuts. M. J. Gleason | | | | | | |
| Lieuts. B. J. McTernan | 4 | | | | | |
| First Grade Privates | 28 | | 12 | | 11 | 51 |
| Totals | 33 | | 14 | | 13 | 60 |
| PENSIONERS | | | | | | |
| CAPTAINS | | | | | | 2 |
| LIEUTENANT | | | | | | 1 |
| | | | | | | 63 |

## OPERATIONS OF THE DEPARTMENT.

| | | Co.No. 1 | Co.No. 2 | Co.No. 3 |
|---|---|---|---|---|
| Responses to Alarms. | City Boxes | 587 | 626 | 868 |
| | Still | 218 | 159 | 90 |
| | Automatic | 105 | 52 | 4 |
| | A. D. T. | 100 | 45 | 7 |
| | Totals | 1010 | 882 | 969 |
| Hours Duty | At fires and responding to calls | 635.44 | 616.56 | 827.36 |
| | After fires protecting mdse. | 63.05 | 68.54 | 59.07 |
| | Details after fires | 1406.22 | 688.08 | 173.20 |
| | Totals | 2105.11 | 1373.58 | 1060.03 |
| Covers Used | At fires and sprinkler calls | 3291 | 1403 | 1145 |
| | On roofs after fires | 193 | 152 | 326 |
| | Protecting mdse. after fires | 8 | 15 | 29 |
| | Totals | 3492 | 1570 | 1500 |
| Extinguishers used | | 10 | 11 | 2 |

*The Second Section was called in service as follows:*

| | | Co. No. 1 | Co. No. 2 | Co. No. 3 |
|---|---|---|---|---|
| On First Alarms | When first out section was at fire | 78 | .... | .... |
| | When both sec. were at previous fire | 3 | .... | .... |
| | Assistance Calls | 32 | 10 | .... |
| On Telephone calls | | .... | .... | .... |
| On Messenger calls | | .... | .... | .... |
| To Cover | Adjoining company district | 19 | .... | 10 |
| | Totals | 132 | 10 | 10 |

| | Co.No. 1 | Co.No. 2 | Co.No. 3 |
|---|---|---|---|
| No. fires at which roofs were protected | 82 | 66 | 119 |

# SPRINKLER RECORD.

## FIRES.

| Sprinklers Operating | Heads | Sprinkler Heads Replaced | Heads | Where Operated | No. | Condition of System when left | No. |
|---|---|---|---|---|---|---|---|
| 122 Fires of 1 head each | 122 | 121 Fires of 1 head each | 121 | Sub-Basement | 7 | O. K. | 162 |
| 19 " " 2 heads " | 38 | 19 " " 2 heads " | 38 | Basement | 69 | Partially Operative | 9 |
| 18 " " 3 " " | 54 | 18 " " 3 " " | 54 | First-floor | 39 | Shut Off | 12 |
| 4 " " 4 " " | 16 | 3 " " 4 " " | 12 | Second " | 13 | | |
| 6 " " 5 " " | 30 | 6 " " 5 " " | 30 | Third " | 16 | | |
| 5 " " 6 " " | 30 | 4 " " 6 " " | 24 | Fourth " | 16 | | |
| 1 " " 7 " " | 7 | 1 " " 7 " " | 7 | Fifth " | 11 | | |
| 1 " " 12 " " | 12 | 1 " " 12 " " | 12 | Sixth " | 5 | | |
| 2 " " 15 " " | 30 | 1 " " 15 " " | 15 | Seventh " | 2 | | |
| 1 " " 17 " " | 17 | 1 " " 17 " " | 17 | Eighth " | 3 | | |
| 1 " " 19 " " | 19 | 1 " " 19 " " | 19 | Tenth " | 1 | | |
| 1 " " 21 " " | 21 | 1 " " 21 " " | 21 | Eleventh floor | 1 | | |
| 1 " " 43 " " | 43 | 1 " " 43 " " | 43 | Twelfth " | 1 | | |
| 1 " " 398 " " | 398 | | | 2 Buildings | 1 | | |
| 183 Totals | 837 | Totals | 413 | Totals | †185 | Totals | 183 |

† 1 Fire operated Basement and First Floors
1 " " First " Second "
1 " Involved 2 Buildings

## SPRINKLER BREAKS

| Sprinklers Ruptured | Heads | Causes | No. | Condition of System when left | No. |
|---|---|---|---|---|---|
| 30 Breaks of 1 head ea. | 30 | Water freezing in heads | 10 | O. K. | 35 |
| 2 " " 2 heads ea. | 4 | " " " pipes | 2 | Partially Operative | 10 |
| 7 " " Pipes | | " " " elbows | 5 | Shut Off | 11 |
| 7 " " Elbows | | " " "couplings | 4 | | |
| 7 " " Couplings | | " " " valve | 1 | | |
| 2 " " Valves | | Defective heads | 10 | | |
| 1 " " Plug | | " pipe | 1 | | |
| | | Broken elbow | 2 | | |
| | | Striking head | 8 | | |
| | | " pipe | 2 | | |
| | | Leaky pipe | 2 | | |
| | | " coupling | 2 | | |
| | | " valve | 1 | | |
| | | Bursting cap | 1 | | |
| | | " coupling | 1 | | |
| | | Split pipe | 1 | | |
| | | Blow out of plug | 1 | | |
| | | Unknown | 2 | | |
| 56 Totals | 34 | Totals | 56 | Totals | 56 |

## SPRINKLER TROUBLES

| No. | Cause | System Left | |
|---|---|---|---|
| 71 | Water in dry pipe | O. K. | 152 |
| 51 | Water hammer | Partially operative | 31 |
| 9 | Working on system | Shut off | 25 |
| 1 | Striking transmitter box | | |
| 1 | Tampering with test valve | | |
| 1 | Pulling Switch | | |
| 12 | Defective alarm pot | | |
| 1 | " alarm switch | | |
| 1 | " check valve | | |
| 2 | " transmitter | | |
| 4 | Pumping up pressure | | |
| 2 | Turning on system | | |
| 2 | Shutting off system by mistake | | |
| 1 | Striking valve | | |
| 1 | Striking box | | |
| 1 | Testing system | | |
| 1 | Closing floor valve | | |
| 1 | Opening valve by mistake | | |
| 1 | Leaky valve | | |
| 44 | Unknown | | |
| 208 | | | 208 |

## DUTY PERFORMED AT BREAKS AND TROUBLES

Hours service 175h. 55m. Extra duty 3h. 32m. Detail duty 103h. 26m. Covers spread 409

## DISTRICTS WHERE FIRES OCCURRED OR ALARMS WERE GIVEN

Including Fire Department Still Alarms.

| | |
|---|---|
| City Proper | 2499 |
| Roxbury District | 1428 |
| Charlestown | 350 |
| East Boston | 572 |
| South Boston | 596 |
| Dorchester | 1648 |
| West Roxbury | 793 |
| Brighton | 517 |
| Hyde Park | 306 |
| Boston Harbor | 3 |
| Brookline | 3 |
| Cambridge | 1 |
| Dedham | 2 |
| Somerville | 2 |
| Milton | 4 |
| Newton | 2 |
| Salem | 1 |
| Quincy | 1 |
| Total | 8,728 |

## WHEN ALARMS OCCURRED

| Months | | Days of Week. | | Hours of the Day | | |
|---|---|---|---|---|---|---|
| 1931 | | | | | | |
| January | 685 | Monday | 1243 | Day Service | 6 to 7 A.M. | 116 |
| February | 560 | Tuesday | 1291 | | 7 to 8 " | 142 |
| March | 694 | Wednesday | 1190 | | 8 to 9 " | 213 |
| April | 1072 | Thursday | 1247 | | 9 to 10 " | 281 |
| May | 663 | Friday | 1259 | | 10 to 11 " | 375 |
| June | 636 | Saturday | 1349 | | 11 to 12 Noon | 420 |
| July | 719 | Sunday | 1149 | | 12 to 1 P. M. | 460 |
| August | 552 | | | | 1 to 2 " " | 472 |
| September | 548 | | | | 2 to 3 " | 490 |
| October | 733 | | | | 3 to 4 " | 500 |
| November | 886 | | | | 4 to 5 " | 521 |
| December | 980 | | | | 5 to 6 " | 658 |
| | | | | Night Service | 6 to 7 " | 589 |
| | | | | | 7 to 8 " | 560 |
| | | | | | 8 to 9 " | 598 |
| | | | | | 9 to 10 " | 552 |
| | | | | | 10 to 11 " | 434 |
| | | | | | 11 to 12 Midnight | 317 |
| | | | | | 12 to 1 A. M. | 317 |
| | | | | | 1 to 2 " | 216 |
| | | | | | 2 to 3 " | 196 |
| | | | | | 3 to 4 " | 107 |
| | | | | | 4 to 5 " | 98 |
| | | | | | 5 to 6 " | 96 |
| Totals | *8728 | | *8728 | | | *8728 |

*5 Fires extinguished by occupants are included in these totals.

# STATEMENT BY MONTHS

## Of Alarms for Fires Responded to by One or More Companies of this Department, Together with Other Statistics

| Months. | Alarms attended by this Dept. | | | | Extinguished by occupant. No alarm given. | Water Damage Calls. | Alarms not attended by this Department. | Total Alarms. | Sprinklers operated on fires. | Sprinkler breaks or defects | Alarms for fires on vessels | Covers Spread | | | Extinguishers used. | Duty at fires and responding to calls | Duty after fires protecting mdse. | Detail after fires. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | City Boxes. | Still. | Automatic. | A. D. T. | | | | | | | | At fires and sprinkler calls. | On roofs after fires. | Protecting mdse. after fires. | | Hrs. m | Hrs. m | Hrs. m |
| Jan. 1931 | 190 | 41 | 11 | 20 | 1 | 0 | 421 | 684 | 17 | 34 | 1 | 968 | 57 | 19 | 2 | 202.59 | 31.45 | 918.58 |
| Feb " | 152 | 45 | 13 | 23 | 1 | 1 | 326 | 561 | 18 | 31 | 2 | 475 | 65 | 12 | 0 | 200.21 | 21.05 | 124.24 |
| Mar. " | 157 | 47 | 21 | 10 | 0 | 2 | 459 | 696 | 15 | 15 | 1 | 825 | 69 | 3 | 2 | 223.52 | 23.29 | 304.39 |
| April " | 194 | 43 | 17 | 6 | 0 | 0 | 808 | 1068 | 16 | 12 | 1 | 401 | 92 | 1 | 2 | 184.08 | 13.20 | 73.03 |
| May " | 168 | 39 | 16 | 11 | 1 | 1 | 427 | 663 | 16 | 18 | 0 | 552 | 58 | 0 | 3 | 182.14 | 15.38 | 82.15 |
| June " | 151 | 35 | 17 | 12 | 0 | 2 | 421 | 638 | 16 | 25 | 1 | 427 | 24 | 0 | 4 | 124.52 | 7.39 | 110.19 |
| July " | 178 | 28 | 13 | 12 | 0 | 0 | 487 | 718 | 11 | 34 | 3 | 289 | 33 | 15 | 4 | 142.23 | 7.55 | 124.31 |
| Aug. " | 155 | 22 | 9 | 10 | 0 | 2 | 356 | 554 | 11 | 20 | 3 | 230 | 22 | 1 | 1 | 130.57 | 3.50 | 81.09 |
| Sept. " | 130 | 34 | 10 | 12 | 0 | 1 | 362 | 549 | 9 | 24 | 3 | 293 | 41 | 1 | 2 | 136.31 | 14.44 | 62.49 |
| Oct. " | 175 | 38 | 11 | 9 | 1 | 0 | 497 | 731 | 12 | 19 | 3 | 342 | 30 | 0 | 2 | 153.43 | 5.19 | 55.46 |
| Nov. " | 176 | 48 | 6 | 13 | 1 | 2 | 638 | 884 | 18 | 14 | 2 | 282 | 89 | 0 | 1 | 162.32 | 21.46 | 125.22 |
| Dec. " | 213 | 38 | 7 | 14 | 0 | 4 | 705 | 981 | 24 | 19 | 2 | 755 | 88 | 0 | 0 | 235.41 | 24.36 | 204.35 |
| Totals | 2039 | 458 | 151 | 152 | 5 | 15 | 5907 | 8727 * | 183 | 265 | 22 | 5839 | 671 | 52 | 23 | 2,080.16 | 191.06 | 2,267.50 |

*1 Alarms for assistance from other cities and towns not included

## CAUSES OF ALARMS AND OF ALARMS WITH LOSS

## DURING 1931.

| | | Alarms | Alarms with Loss |
|---|---|---|---|
| a1 | Assistance beyond City Limits | 16 | |
| 1 | Chimneys, Flues, Cupolas and Stacks, overheated or defective | 130 | 59 |
| 2 | Conflagration | | |
| 3 | Electricity | 724 | 365 |
| 4 | Explosions | 283 | 128 |
| 5 | Exposure | 107 | 101 |
| 5a | False and Needless Alarms | 1420 | |
| 6 | Fireworks, Fire Crackers, Balloons, etc | 23 | 16 |
| 7 | Friction—Sparks—Occasioned by running machinery, including Pickers, Carding Machines, Gins, etc. | 26 | 15 |
| 8 | Gas—Natural and Artificial | 70 | 39 |
| 9 | Hot Ashes and Coals | 89 | 39 |
| 10 | Hot Grease, Oil, Tar, Wax, Asphalt, ignition of | 100 | 32 |
| 11 | Hot or Molten Metal | 72 | 19 |
| 12 | Incendiarism | 45 | 35 |
| 13 | Lightning—buildings rodded | | |
| 14 | Lightning—buildings not rodded | 13 | 9 |
| 15 | Matches | 572 | 384 |
| 16 | Miscellaneous—Cause known but not Classified | 85 | 15 |
| 17 | Open Fires | 77 | 1 |
| 18 | Open Lights | 146 | 86 |
| 19 | Petroleum and its products | 168 | 68 |
| 19a | Rekindling of a previous fire | 2 | 0 |
| 20 | Rubbish and Litter | 1613 | 9 |
| 21 | Smoking | 1017 | 687 |
| 22 | Sparks—Arising from combustion | 199 | 125 |
| 23 | Sparks on Roof | 73 | 53 |
| 24 | Spontaneous Combustion | 122 | 82 |
| 24a | Sprinklers | 265 | 43 |
| 25 | Steam and Hot Water Pipes | 15 | 6 |
| 26 | Stoves, Furnaces, Boilers and their pipes | 834 | 175 |
| 27 | Unknown | 422 | 360 |
| 28 | **Unknown origin but investigation important** | | |
| | Totals. | 8728 | 2951 |

# GRADE OF INSURED LOSSES FOR 1931.

| | | | |
|---|---|---|---|
| 5777 | Alarms with no loss | | |
| 1084 | Fires with loss under $100 | | $32,020.37 |
| 843 | " " " from $100 to $500 | | 183,761.63 |
| 266 | " " " " $500 to $1,000 | | 177,550.77 |
| 536 | " " " " $1,000 to $5,000 | | 1,247,[illegible]00.40 |
| 101 | " " " " $5,000 to $10,000 | | 686,053.56 |
| 33 | " " " " $10,000 to $15,000 | | 403,146.70 |
| | Over $15,000 | | |
| 1 | Jan. 20, 1931 | 126-38 High St., G. A. Armstrong Inc., et al | 85,246.66 |
| 1 | " 27, " | 33 Lakeville Pl., Ella C. Adams, et al | 15,692.83 |
| 1 | " 28, " | 118-22 Main St., Charlestown Furniture Co., et al | 18,328.52 |
| 1 | " 29, " | 155-65 Hanover St., Luna Restaurant, et al | 15,439.92 |
| 1 | " 31, " | 35-7 Sleeper St., Eldridge Baker & Co., et al | 188,794.01 |
| 1 | Feb. 5, " | 277-9 Northern Ave., Broomfield Mfg. Co., et al | 19,714.36 |
| 1 | " 6, " | 969-85 Bennington St., Orient Gardens Theatre, et al | 79,421.65 |
| 1 | " 7, " | 2-10 Tremont St., Victory Knitwear Stores, et al | 20,319.10 |
| 1 | " 8, " | 41-43 Chelsea St., J. P. Coppleman, et al | 33,893.18 |
| 1 | " 10, " | 74 W. Second St., National Outlet Mfg. Co., et al | 20,767.21 |
| 1 | " 12, " | 20-24 Newbury St., Elizabeth Arden Beauty Parlor, et al | 27,088.07 |
| 1 | " 15, " | 24 Wellington Hill St., C. Cohen, et al | 15,044.09 |
| 1 | Mar. 8, " | 43-5 Kingston St., Hennessy & Lippa, et al | 20,609.34 |
| 1 | " 16, " | 76-86 South St., Wolpert Shoe Co. Inc., et al | 108,203.13 |
| 1 | " 23, " | 108-10 Winthrop St., L. Goldstein, et al | 15,377.58 |
| 1 | " 23, " | 1337-57 Washington St., Old Colony Furniture Co., et al | 73,689.69 |
| 1 | Apr. 19, " | 367-71 Broadway, Harvard Shoe Co., et al | 23,313.02 |
| 1 | May 2, " | 751-3 Shawmut Ave., A. Berkman, et al | 20,637.96 |
| 1 | " 5, " | 120 Business St., Atlas Garment Co., et al | 17,704.00 |
| 1 | " 20, " | 80-84 Pearl St., Wetmore Savage Co. | 89,920.09 |
| 1 | June 19, " | 76-8 Pearl St., Wetmore Savage Co. | 22,156.78 |
| 1 | " 21, " | 32 Brookledge St., P. H. Frank, et al | 24,017.00 |
| 1 | Aug. 8, " | 26 Portland St., F. & W. Lighting Co., et al | 16,751.43 |
| 1 | " 15, " | 10 Esmond St., J. Salvo, et al | 17,048.60 |
| 1 | " 29, " | 449-51 Washington St., Touraine Glove Co., et al | 21,326.15 |
| 1 | Sept. 10, " | 1024-6 Boylston St., Fenway Furniture Shoppe, et al | 16,345.35 |
| 1 | " 13, " | 12 Kilsyth Terr., P. Caputo | 31,921.18 |
| 1 | " 19, " | 93 Cummings St., Daly Plumbing Supply Co. | 56,384.00 |
| 1 | " 23, " | 133-5 Essex St., Bay State Silk Co., et al | 21,370.96 |
| 1 | Oct. 25, " | 540-44 E. Broadway, M. J. Perkins Post No. 67 A. L. et al | 18,859.80 |
| 1 | " 26, " | 364-70 Boylston St., Plotkin Bros., et al | 21,238.74 |
| 1 | Nov. 17, " | 12-16 Bromfield St., Collins & Fairbanks, et al | 28,121.22 |
| 1 | " 23, " | 1610-22 Blue Hill Ave., W. T. Grant Co., et al | 94,187.81 |
| 1 | Dec. 16, " | 427 E. Eighth St., H. L. Lyons & Co., et al | 56,236.00 |
| 1 | " 24, " | 126-44 Commercial St., S. G. Shaghalion Inc., et al | 15,316.05 |
| 1 | " 25, " | 6-14 Portland St., P. Mucci & Sons, et al | 19,887.76 |
| 1 | " 27, " | 7 Howland St., Mrs. S. Berkwitz, et al | 16,750.70 |
| 8677 | | | 4,136,857.37 |
| 8 | Marine Losses | | 50,613.85 |
| 8685 | | | 4,187,471.22 |
| | Rents and U. & O. | | 14,237.61 |
| | | | 4,201,708.83 |
| 43 | Sprinkler Losses (no fire) | $87,015.83 | * |
| 8728 | | | |

*NOTE—The amounts indicated represent only payments made, with estimates by in surance company adjusters for unsettled claims, as reported to the Department, for fire losses which occurred during the year, where fire alarms were given. The amounts do not include payments or estimates for losses by fires extinguished by occupants (no fire alarm being given) and other unreported fire losses, the total amount of which may be conservatively estimated at from 5% to 10% of this amount.

# STATEMENT BY MONTHS OF INSURANCE AND INSURED LOSSES.

| Months | Buildings | | Contents | | Rents & U. & O. | | Vessels | | Sprinkler Losses (no fire) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Insurance | Loss Insured | Insurance. | Loss Insured. | Insurance. | Loss Insured | Insurance. | Loss Insured | Insurance | Loss Insured |
| Jan. 1931 | $14,010,438.00 | $321,934.82 | $1,468,007.90 | $259,323.88 | $2,400 00 | $150.00 | $25,000.00 | $1,000.00 | $485,000.00 | $6,040.60 |
| Feb. " | 9,298,201.89 | 259,282.03 | 5,614,424.80 | 173,170.91 | 8,300.00 | 150.00 | 140,000.00 | 40,000.00 | 81,689.00 | 12,610.65 |
| Mar. " | 9,775,226.00 | 312,791.64 | 2,115,651.34 | 233,014.58 | 26,500.00 | 5,621.72 | | | | |
| Apr. " | 6,738,314.00 | 168,763.63 | 1,362,122.00 | 102,670.96 | 35,000.00 | 1,841.67 | | | 1,000.00 | 95.00 |
| May " | 6,589,452.00 | 165,019.74 | 2,064,244.00 | 200,316.75 | 616,500.00 | 1,121.44 | | | 40,000.00 | 2,528.33 |
| June " | 12,154,982.37 | 116,612.83 | 2,482,973.40 | 92,003.80 | | | | | 42,100.00 | 3,564.86 |
| July " | 5,699,545.00 | 134,810.14 | 410,624.90 | 57,654.21 | | | | | 630,800.00 | 3,209.57 |
| Aug. " | 6,061,033.00 | 121,039.54 | 4,024,722.00 | 121,535.88 | 36,000.00 | 250.00 | 20,000.00 | 6,838.85 | | |
| Sept " | 5,683,660.49 | 136,548.83 | 990,728.00 | 155,876.31 | 4,000.00 | 1,200.00 | 1,100.00 | 950.00 | 32,000.00 | 53,610.05 |
| Oct. " | 8,595,748.00 | 139,584.48 | 1,092,297.00 | 92,640.33 | | | | | 87,500.00 | 1,371.49 |
| Nov. " | 10,066,816.00 | 181,227.23 | 1,544,255.00 | 150,616.81 | 316,100.00 | 3,402.78 | 2,000.00 | 1,825.00 | 33,000.00 | 380.00 |
| Dec. " | 6,565,104.02 | 255,619.07 | 1,897,524.06 | 184,798.97 | 100,000.00 | 500.00 | | | 340,500.00 | 51,854.28 |
| Totals | $101,238,520.77 | $2,313,233.98 * | $25,067,574.40 | $1,823,623.39 * | $1,144,800.00 | $14,237.61 * | $188,100.00 | $50,613.85 * | $1,773,589.00 | $87,015.83 * |

*NOTE—The amounts indicated represent only payments made, with estimates by insurance company adjusters for unsettled claims, as reported to the Department, for fire losses which occurred during the year, where fire alarms were given. The amounts do not include payments or estimates for losses by fires extinguished by occupants (no fire alarm being given) and other unreported fire losses, the total amount of which may be conservatively estimated at from 5% to 10% of these amounts.

# STATISTICS FOR YEAR ENDING DECEMBER 31, 1931

| | | | | |
|---|---|---|---|---|
| Population | | | | 805,400 |
| Area Square Miles | | | | 47.81 |
| Number of Brick, Stone, Concrete, Steel frame, B, etc. | | | 43,650 | *135,811 |
| " " Wooden Buildings | | | 92,161 | |
| " " Alarms, exclusive of False and Needless | | | 7,027 | 8,728 |
| " " False and Needless Alarms | | | 1,420 | |
| " " Calls to assist other Cities and Towns | | | 16 | |
| " " Sprinkler System breaks and defects | | | 265 | |
| " " Fires in Brick and Stone Buildings | | | 2,198 | 7,027 |
| " " Fires in Wooden Buildings | | | 1,846 | |
| " " Fires in Concrete Blocks | | | 46 | |
| " " Fires in Fireproof | | | 0 | |
| " " Fires in Ironclad | | | 15 | |
| " " Fires in Reinforced Concrete | | | 8 | |
| " " Fires not originating in Buildings | | | 2,914 | |
| " " Fires confined to floor where fire originated | | 3,649 | 4,113 | 7,027 |
| " " " confined to Building but not to floor of origin | | 361 | | |
| " " " extending to adjoining Building | | 80 | | |
| " " " extending beyond adjoining Building | | 23 | | |
| " " " originating in Automobiles | 851 | | 2,914 | |
| " " " not originating in Buildings | 2,040 | | | |
| " " " not originating in, but involving Buildings | 23 | | | |

* January 1, 1932. By courtesy of City of Boston Building Department.

| | Buildings | Contents | Rent & U & O | Vessels | Total |
|---|---|---|---|---|---|
| Total Insurance where claim for loss was made | $101,238,520.77 | $25,067,574.40 | $1,144,800.00 | $188,100.00 | $127,638,995.17 |
| Total Insurance Loss | 2,313,233.93 | 1,823,623.39 | 14,237.61 | 50,613.85 | 4,201,708.83* |
| Losses where fires originated, i. e., direct losses | 2,283,931.60 | 1,777,415.92 | 14,237.61 | 50,613.85 | 4,126,198.98* |
| Losses Where fires did not originate, i. e., exposure losses | 29,302.38 | 46,207.47 | | | 75,509.85* |

*NOTE—The amounts indicated represent only payments made, with estimates by insurance company adjusters for unsettled claims, as reported to the Department, for fire losses which occurred during the year, where fire alarms were given. The amounts do not include payments or estimates for losses by fires extinguished by occupants (no fire alarm being given) and other unreported fire losses, the total amount of which may be conservatively estmated at from 5% to 10% of these amounts.

### Review of grade of losses for ten years

(Insured Loss with Estimates of Un-insured Loss except as noted)

| Years | Total Al'm. | No Loss | Under $100 | $100 to 500 | $500 to 1000. | $1000 to 5000. | $5000 to 10,000 | $10,000 to 15,000 | Over 15,000 |
|---|---|---|---|---|---|---|---|---|---|
| 1922 | 6184 | 4018 | 886 | 651 | 198 | 285 | 59 | 17 | 40 |
| 1923 | 7377 | 5069 | 977 | 693 | 168 | 319 | 76 | 33 | 54 |
| 1924 | 8117 | 5428 | 1037. | 804 | 239 | 405 | 105 | 40 | 59 |
| 1925 | 7678 | 4998 | 1005 | 831 | 253 | 390 | 104 | 31 | 66 |
| 1926 | 7787 | 5078 | 1045 | 773 | 277 | 422 | 90 | 39 | 63 |
| 1927 | 7351 | 4810 | 977 | 802 | 219 | 401 | 75 | 22 | 44 |
| 1928 | 7669 | 5143 | 979 | 789 | 230 | 325 | 89 | 26 | 38 |
| 1929 | 8336 | 5584 | 1081 | 820 | 241 | 419 | 87 | 29 | 45 |
| 1930 | 8500 | 5707 | 1060 | 803 | 271 | 461 | 98 | 35 | 65 |
| ¶1931 | 8728 | 5777 | *1109 | *849 | *273 | *544 | *103 | 34 | 39 |

*43 Sprinkler losses included, viz., 23 under $100. 6 from $100 to $500. 6 from $500 to $1,000. 5 from $1,000 to $5,000. 1 from $5,000 to $10,000 1 from $10,000 to $15,000. 1 over $15,000.

¶ Insured Loss only

### Review of total alarms, fires with loss, loss, average loss of total alarms, and average loss of fires with loss, for ten years

(Insured Loss with Estimates of Un-insured Loss except as noted)

| Years. | Total Alarms. | Fires with Loss | Loss. | Average Loss of Total Alarms. | Average Loss of Fires with Loss. |
|---|---|---|---|---|---|
| 1922 | 6,184 | 2,109 | $3,331,485.17 | $538.73 | $1,568.88 |
| 1923 | 7,377 | 2,271 | 6,323,331.48 | 857.17 | 2,784.38 |
| 1924 | 8,117 | 2,626 | 4,825,216.13 | 594.48 | 1,837.48 |
| 1925 | 7,678 | 2,632 | 5,474,749.06 | 713.04 | 2,080.07 |
| 1926 | 7,787 | 2,709 | 5,268,941.87 | 676.63 | 1,944.98 |
| 1927 | 7,351 | 2,541 | 3,937,329.78 | 535.62 | 1,549.52 |
| 1928 | 7,669 | 2,526 | 3,939,309.42 | 513.67 | 1,559.52 |
| 1929 | 8,336 | 2,719 | 4,195,151.81 | 503.25 | 1,542.90 |
| 1930 | 8,500 | 2,730 | 5,241,788.23 | 616.68 | 1,920.07 |
| ¶1931 | 8,728 | †2,908 | 4,201,708.83 | 481.41 | 1,444.88 |

The above tables include Still Alarms.

† Does not include 43 Sprinkler losses.

¶ Insured Loss only

In conclusion, I desire to express my sincere thanks to the Fire and Police Departments for their active co-operation, and to all other departments or persons who have in any way assisted this Department during the past.

Respectfully submitted,

PETER E. WALSH,

*Acting Superintendent of Department.*

## MEDICAL EXAMINER'S REPORT

1931

PETER E. WALSH,
*Act. Supt Boston Protective Department.*

*Dear Sir:*—Your Medical Officer respectfully submits the following report for the year ending December 31, 1931:

| | |
|---|---|
| Applicants Examined | 0 |
| Promotions. Examinations for | 0 |
| Members. Visits to sick | 21 |
| Members. Visits to injured | 11 |
| Physicians reports. Attending | 129 |
| Special reports | 3 |
| Certificates. Return to duty | 36 |

W. F. TEMPLE Jr., M. D.
*Medical Officer, Boston Protective Department.*

## DESCRIPTIVE LIST OF MOTOR APPARATUS

## CALLS RESPONDED TO AND MILES TRAVELLED

| Rotation No. | Put in Service. | Maker's name | No. | Company Assigned | Weight Loaded. | Totals to Dec. 31. 1930 | | 1931 | | Totals to Dec. 31, 1931 | | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Calls | Miles | Calls | Miles | Calls | Miles | |
| 7 | Nov. 10, 1914 | The White Co. | 21625 | 3 | 10,500 | 9,726 | 25,564.6 | 370 | 1,591.8 | 10,096 | 27,156.4 | |
| 13 | Sep. 19, 1919 | " " " | 51184 | 2 | 10,700 | 8,443 | 19,749.7 | 140 | 295.9 | 8,583 | 20,045.6 | |
| 14 | Sep. 4, 1920 | Ford Motor Co. | 4051284 | 3 | ..... | ..... | 21,790.0 | ..... | 2,774.8 | ..... | 24,564.8 | |
| 15 | Sep. 4, 1923 | Mack " " | 471420 | 1 | 10,700 | 8,487 | 23,826.1 | 438 | 890.6 | 8,925 | 24,716.7 | |
| 16 | Mar. 24, 1924 | " " " | 472114 | 3 | 9,630 | 9,447 | 45,427.6 | 500 | 1,981.6 | 9,947 | 47,409.2 | |
| 17 | Aug. 5, 1924 | " " " | 472115 | 1 | 11,000 | 4,015 | 8,276.1 | 585 | 1,007.3 | 4,600 | 9,283.4 | |
| 18 | Mar. 14, 1927 | " " " | 174143 | 2 | 10,420 | 4,804 | 11,925.0 | 745 | 1,330.4 | 5,549 | 13,255.4 | |

*4353.53

# Boston Protective Department

Mar. 27, 1933

## FIFTY-NINTH

# ANNUAL REPORT

## FOR THE CALENDAR YEAR

## 1932

BOSTON PUBLIC LIBRARY

# OFFICERS

*President:*

ARTHUR W. BURKE

*Vice-President:*

WILLARD C. HILL

*Directors:*

To Serve until March, 1933

WILLARD C. HILL — E. F. WOODS

R. A. BENTING

To Serve until March, 1934

J. J. CORNISH — H. G. FAIRFIELD

EDMUND WINCHESTER

To Serve until March, 1935

ARTHUR W. BURKE — W. E. BURRAGE

HERBERT A. KNEELAND

*Secretary-Treasurer:*

CHARLES W. GOODING

*Acting Superintendent:*

PETER E. WALSH

*Medical Officer:*

DR. WM. F. TEMPLE, JR.

Boston, January 1, 1933.

To the Members of the
Boston Protective Department:

The Directors submit herewith the 59th Annual Report of the Department with the reports of the Superintendent, Treasurer, Medical Officer and statistical tables.

The Board recommends, first, that the active duties of the Department be continued for another year; second, that the Directors be authorized to expend for the maintenance of the Department during the year a sum not exceeding one hundred and eighty thousand dollars.

For the Directors,

ARTHUR W. BURKE,

President

# TREASURER'S REPORT

## INCOME AND EXPENSE ACCOUNT FOR THE YEAR ENDED DECEMBER 31, 1932

RECEIPTS:

| | | |
|---|---|---|
| Cash Balance December 31, 1931 | | $2,878.18 |
| Assessment on July-December 31, 1931 Premiums | $85,145.06 | |
| Assessment on January-June 30, 1932 Premiums | 88,638.28 | |
| Total Assessments Collected | $173,783.34 | |
| Special Service | 1,616.53 | |
| Interest | 171.86 | |
| Cash Income for the year 1932 | | 175,571.73 |
| Total | | $178,449.91 |

EXPENDITURES:

| | | |
|---|---|---|
| Refund of 1931 Assessment (British Underwriters) | 67.44 | |
| Miscellaneous Department Supplies | 772.51 | |
| Automobile Repairs and Supplies | 1,514.15 | |
| Payroll and Salaries | 134,417.80 | |
| Printing and Office Supplies | 993.34 | |
| Telephone | 1,088.06 | |
| New Equipment Purchased | 3,340.26 | |
| Repairs—Equipment | 180.15 | |
| Repairs—Houses | 224.38 | |
| Water, Light, and Fuel | 3,296.75 | |
| Insurance | 6,429.62 | |
| Rent and Taxes | 16,112.04 | |
| Interest on Borrowed Money | 178.75 | |
| Miscellaneous Expenses | 793.94 | |
| Total Expenditures for the year 1932 | | $169,409.19 |
| Cash Balance December 31, 1932 | | 9,040.72 |
| Total | | $178,449.91 |

## STATEMENT OF ASSESSMENTS MADE IN 1932

| | | |
|---|---|---|
| July 1, 1931, to December 31, 1931: | | |
| Premiums on Fire & Sprinkler | $3,101,097.30 at 2¾% | $85,145.06 |
| January 1, 1932 to July 1, 1932: | | |
| Premiums on Fire & Sprinkler | $3,222,836.29 at 2¾% | 88,638.28 |
| | | $173,783.34 |

July 1, 1932, to December 31, 1932:
Premiums on Fire & Sprinkler ..... $2,952,020.12

# SUPERINTENDENT'S REPORT

HEADQUARTERS BOSTON PROTECTIVE DEPARTMENT
OFFICE OF SUPT., NO. 3 INDIA SQ.

BOSTON, January 1st, 1933.

TO THE PRESIDENT AND BOARD OF DIRECTORS:

Gentlemen:— I herewith submit the Fifty-ninth Annual Report of operations of the Department for the year ending December 31st, 1932.

## CALLS AND SERVICE

The department responded to 2,194 City boxes, 463 Verbal, 114 Boston Automatic Fire Alarms, 106 American District Telegraph, which includes 65 Sprinkler Breaks, 123 Sprinkler Troubles, Total 2,877; also 22 Water Damages, Total responses 2,899.

The service rendered was 33 fire extinguishers used, 6,983 covers spread on merchandise at fires and other calls, 685 covers on roofs, 128 covers protecting merchandise after fires from storms. Total covers used 7,796.

The hours service were 2,274.14 at fires, 236.55 protecting merchandise &c after fires, and 1,730.04 privates detailed after fires. Total 4,241.13.

OF THE 9,393 ALARMS, 6,379 ALARMS or 67.91 PER CENT WERE WITHOUT LOSS. (See grade of losses.)

The insured loss on buildings, contents, rents, vessels and cargoes was $4,390,842.61 divided as follows:

| | |
|---|---|
| Buildings | $2,334,204.66 |
| Contents | 1,907,915.94 |
| Rents & U. & O. | 24,503.63 |
| Vessels | 124,218.38 |
| TOTAL | $4,390,842.61* |

*NOTE—The amounts indicated represent only payments made, with estimates by insurance company adjusters for unsettled claims, as reported to the Department, for fire losses which occurred during the year, where fire alarms were given. The amounts do not include payments or estimates for losses by fires extinguished by occupants (no fire alarm being given) and other unreported fire losses, the total amount of which may be conservatively estimated at from 5% to 10% of this amount.

## SPRINKLER LEAKAGE DAMAGE (Other Than Fires)

Building & Contents, Insurance $1,120,400.00. Insurance Loss $19,059.02†

†NOTE—The above includes only losses reported to the Department.

## DISTRICTS WHERE FIRES OCCURRED OR ALARMS WERE GIVEN

Including Fire Department Still Alarms

| | |
|---|---|
| City Proper | 2415 |
| Roxbury District | 1686 |
| Charlestown | 366 |
| East Boston | 572 |
| South Boston | 693 |
| Dorchester | 1750 |
| West Roxbury | 923 |
| Brighton | 624 |
| Hyde Park | 339 |
| Boston Harbor | 6 |
| Brookline | 6 |
| Cambridge | 1 |
| Dedham | 2 |
| Somerville | 3 |
| Milton | 1 |
| Newton | 2 |
| Revere | 1 |
| Quincy | 1 |
| Chelsea | 1 |
| Beachmont | 1 |
| Total | 9393 |

## WHEN ALARMS OCCURRED

| Months | | Days of Week | | Hours of the Day | | |
|---|---|---|---|---|---|---|
| 1932 | | | | | | |
| January | 680 | Monday | 1366 | Day Service | 6 to 7 A.M. | 119 |
| February | 700 | Tuesday | 1330 | | 7 to 8 " | 134 |
| March | 919 | Wednesday | 1308 | | 8 to 9 " | 217 |
| April | 1097 | Thursday | 1307 | | 9 to 10 " | 298 |
| May | 851 | Friday | 1334 | | 10 to 11 " | 370 |
| June | 719 | Saturday | 1165 | | 11 to 12 Noon | 400 |
| July | 916 | Sunday | 1283 | | 12 to 1 P.M. | 464 |
| August | 595 | | | | 1 to 2 " " | 502 |
| September | 583 | | | | 2 to 3 " " | 533 |
| October | 656 | | | | 3 to 4 " " | 530 |
| November | 879 | | | | 4 to 5 " " | 589 |
| December | 735 | | | | 5 to 6 " " | 715 |
| | | | | Night Service | 6 to 7 " | 624 |
| | | | | | 7 to 8 " | 586 |
| | | | | | 8 to 9 " | 693 |
| | | | | | 9 to 10 " | 614 |
| | | | | | 10 to 11 " | 470 |
| | | | | | 11 to 12 Midnight | 381 |
| | | | | | 12 to 1 A.M. | 331 |
| | | | | | 1 to 2 " | 272 |
| | | | | | 2 to 3 " | 207 |
| | | | | | 3 to 4 " | 127 |
| | | | | | 4 to 5 " | 111 |
| | | | | | 5 to 6 " | 106 |
| Totals | 9393 | | 9393 | | | 9393 |

# STATEMENT BY MONTHS

## Of Alarms for Fires Responded to by One or More Companies of this Department, Together with Other Statistics

| Months | Alarms attended by this Dept. | | | | Extinguished by occupant. No alarm given. | Alarms not attended by this Department. | Total Alarms. | Water Damage Calls. | Sprinklers operated on fires. | Sprinkler breaks or defects. | Alarms for fires on vessels. | Covers Spread | | | Extinguishers used. | Duty at fires and responding to calls. | Duty after fires protecting mdse. | Detail after fires. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | City Boxes. | Still. | Automatic. | A. D. T. | | | | | | | | At fire and sprinkler calls. | On roofs after fires. | Protecting mdse. after fires. | | Hrs. m. | Hrs. m. | Hrs. m. |
| Jan. 1932 | 183 | 21 | 9 | 14 | 0 | 453 | 680 | 2 | 23 | 10 | 1 | 875 | 83 | 34 | 2 | 243.30 | 26.01 | 665.19 |
| Feb. " | 179 | 54 | 12 | 14 | 0 | 441 | 700 | 2 | 24 | 24 | 1 | 480 | 51 | 2 | 6 | 222.30 | 12.04 | 113.51 |
| Mar. " | 238 | 45 | 12 | 7 | 0 | 647 | 949 | 2 | 16 | 12 | 6 | 784 | 100 | 8 | 5 | 275.55 | 32.47 | 186.58 |
| April " | 195 | 60 | 3 | 12 | 0 | 827 | 1097 | 1 | 11 | 20 | 3 | 691 | 55 | 17 | 1 | 201.23 | 34.56 | 124.30 |
| May " | 223 | 40 | 9 | 7 | 0 | 575 | 854 | 2 | 18 | 7 | 1 | 604 | 83 | 1 | 3 | 210.56 | 14.34 | 72.13 |
| June " | 151 | 33 | 4 | 9 | 0 | 522 | 719 | 0 | 11 | 10 | 3 | 564 | 55 | 2 | 1 | 153.18 | 18.48 | 97.27 |
| July " | 201 | 35 | 11 | 8 | 0 | 691 | 956 | 2 | 19 | 13 | 3 | 1196 | 57 | 0 | 3 | 226.37 | 31.38 | 180.30 |
| Aug. " | 170 | 31 | 12 | 2 | 0 | 380 | 595 | 1 | 12 | 8 | 2 | 330 | 52 | 1 | 1 | 160.23 | 8.14 | 114.02 |
| Sept. " | 136 | 31 | 13 | 7 | 0 | 396 | 583 | 2 | 3 | 22 | 5 | 243 | 13 | 16 | 0 | 99.14 | 5.15 | 33.24 |
| Oct. " | 147 | 23 | 7 | 6 | 0 | 473 | 656 | 0 | 6 | 10 | 4 | 268 | 36 | 0 | 4 | 111.21 | 2.57 | 37.04 |
| Nov. " | 191 | 34 | 11 | 9 | 0 | 634 | 879 | 4 | 7 | 26 | 1 | 289 | 42 | 2 | 3 | 165.16 | 16.28 | 74.11 |
| Dec. " | 180 | 56 | 11 | 11 | 0 | 477 | 735 | 4 | 20 | 26 | 2 | 659 | 58 | 45 | 4 | 203.51 | 33.13 | 30.35 |
| Totals | 2194 | 463 | 114 | 106 | 0 | 6516 | 9393 | 22 | 170 | 188 | 32 | 6983 | 685 | 128 | 33 | 2,274.14 | 236.55 | 1,730.04 |

## CAUSES OF ALARMS AND OF ALARMS WITH LOSS DURING 1932

| | | Alarms | Alarms with Loss |
|---|---|---|---|
| a1 | Assistance beyond City Limits | 19 | |
| 1 | Chimneys, Flues, Cupolas and Stacks, overheated or defective | 126 | 75 |
| 2 | Conflagration | | |
| 3 | Electricity | 673 | 344 |
| 4 | Explosions | 312 | 106 |
| 5 | Exposure | 134 | 133 |
| 5a | False and Needless Alarms | 1627 | |
| 6 | Fireworks, Fire Crackers, Balloons, etc | 34 | 26 |
| 7 | Friction—Sparks—Occasioned by running machinery, including Pickers, Carding Machines, Gins, etc | 24 | 12 |
| 8 | Gas—Natural and Artificial | 48 | 26 |
| 9 | Hot Ashes and Coals | 80 | 48 |
| 10 | Hot Grease, Oil, Tar, Wax, Asphalt, ignition of | 110 | 20 |
| 11 | Hot or Molten Metal | 21 | 5 |
| 12 | Incendiarism | 43 | 39 |
| 13 | Lightning—buildings rodded | | |
| 14 | Lightning—buildings not rodded | 5 | 3 |
| 15 | Matches | 555 | 329 |
| 16 | Miscellaneous—Cause known but not Classified | 158 | 23 |
| 17 | Open Fires | 79 | 1 |
| 18 | Open Lights | 123 | 73 |
| 19 | Petroleum and its products | 252 | 75 |
| 19a | Rekindling of a previous fire | 7 | 0 |
| 20 | Rubbish and Litter | 1850 | 4 |
| 21 | Smoking | 1136 | 711 |
| 22 | Sparks—Arising from combustion | 187 | 119 |
| 23 | Sparks on Roof | 78 | 66 |
| 24 | Spontaneous Combustion | 142 | 91 |
| 24a | Sprinklers | 188 | 43 |
| 25 | Steam and Hot Water Pipes | 24 | 10 |
| 26 | Stoves, Furnaces, Boilers and their pipes | 827 | 179 |
| 27 | Unknown | 531 | 453 |
| 28 | **Unknown origin but investigation important** | | |
| | Totals | 9393 | 3014 |

# GRADE OF INSURED LOSSES FOR 1932

| | | | | |
|---|---|---|---|---|
| 6379 | Alarms with no loss | | | |
| 1104 | Fires with loss under | | $100 | $32,715.01 |
| 830 | " " " from | | $100 to $500 | 183,924.28 |
| 291 | " " " " | | $500 to $1,000 | 198,115.56 |
| 580 | " " " " | | $1,000 to $5,000 | 1,325,443.74 |
| 99 | " " " " | | $5,000 to $10,000 | 634,826.85 |
| 22 | " " " " | | $10,000 to $15,000 | 253,149.73 |
| | Over $15,000 | | | |
| 1 | Jan. 4, | 1932 | 507-15 Tremont St., I. O. O. F. Building, et al | 323,577.65 |
| 1 | " 4, | " | 384-6 Atlantic Ave., Foster Wharf Corp., et al | 19,715.67 |
| 1 | " 8, | " | 109-11 Beach St., Service Mfg. Co., et al | 19,020.69 |
| 1 | " 14, | " | 103-103a Charles St., Charles Goldberg Inc., et al | 16,815.43 |
| 1 | " 15, | " | 95-9 South St., Hamilton Perkins Co., et al | 58,121.87 |
| 1 | " 23, | " | 134-40 Longwood Ave., S. Wachsman, et al | 21,402.00 |
| 1 | " 28, | " | 137 Beach St., A. Shapiro, et al | 169,636.46 |
| 1 | " 31, | " | 532 Commonwealth Ave., Kenmore Restaurant, et al | 17,463.48 |
| 1 | Feb. 15, | " | 24 Hewins St., M. Bahn, et al | 16,727.20 |
| 1 | " 21, | " | 547 Blue Hill Ave., B. Brooker, et al | 18,712.13 |
| 1 | " 26, | " | 102-14 Commercial St., Standard Products Co., et al. | 16,911.12 |
| 1 | Mar. 16, | " | 253-59 Bowdoin St., Hamilton Hardware Co., et al | 25,240.98 |
| 1 | " 17, | " | 515-27 Washington St., F. & M. Skirt Co., et al | 34,390.17 |
| 1 | Apr. 9, | " | 112-18 Canal St., Automatic Radio Mfg. Co. | 90,828.35 |
| 1 | May 6, | " | 241-9 Friend St., P. Bernstein, et al | 15,761.61 |
| 1 | " 21, | " | 116 Albany St., Huntington Wool Co., et al | 24,055.90 |
| 1 | June 7, | " | 68 Northampton St., Cable Raincoat Co. | 55,097.12 |
| 1 | " 30, | " | 54-8 Piedmont St., Hollywood Films Corp., et al | 48,554.83 |
| 1 | July 8, | " | 518-36 Washington St., R. H. White Co. | 112,905.57 |
| 1 | " 21, | " | 146-54 Lincoln St., H. S. Petticoat Co. Inc., et al | 22,488.84 |
| 1 | Aug. 3, | " | 702 Beacon St., W. H. Bradford Co., et al | 33,123,92 |
| 1 | " 11, | " | Charles River Speedway, Metropolitan Driving Club | 56,000.00 |
| 1 | " 17, | " | 484-88 Washington St., Grosbergs Inc. | 19,207.10 |
| 1 | " 20, | " | 2-4 Nazing St., S. Fredberg, et al | 17,709.97 |
| 1 | Sept. 4, | " | 370 W. First St., J. C. Murphy Lumber Co. | 21,653.61 |
| 1 | Oct. 13, | " | 70 Freeport St., Knox & Morse Co. | 16,709.57 |
| 1 | " 13, | " | 8-12 Central Ave., T. J. Halpin, et al | 20,123.70 |
| 1 | Nov. 17, | " | 331 Newbury St., H. Kaufman, et al | 92,062.42 |
| 1 | " 27, | " | 1282-82a Blue Hill Ave., A. Miller, et al | 15,347.50 |
| 1 | Dec. 5, | " | 51 Melcher St., Ryder & Brown | 121,863.90 |
| 1 | " 20, | " | 854-6 Washington St., J. Gorakian & Son | 35,828.99 |
| 1 | " 21, | " | 1158-60 Washington St., S. Zeghibe, et al | 18,511.95 |
| 1 | " 28, | " | 162-4 Lincoln St., Sobel Shoe Co., et al | 18,312.73 |
| 9338 | | | | 1,242,120.60 |
| 12 | Marine Losses | | | 124,218.38 |
| 9350 | | | | 1,366,338.98 |
| | Rents and U. & O. | | | 24,503.63 |
| | | | | 1,390,842.61 |
| 43 | Sprinkler Losses (no fire) | | $19,059.02 | |
| 9393 | | | | |

*NOTE—The amounts indicated represent only payments made, with estimates by insurance company adjusters for unsettled claims, as reported to the Department, for fire losses which occurred during the year, where fire alarms were given. The amounts do not include payments or estimates for losses by fires extinguished by occupants (no fire alarm being given) and other unreported fire losses, the total amount of which may be conservatively estimated at from 5% to 10% of this amount.

# STATEMENT BY MONTHS
# OF INSURANCE AND INSURED LOSSES

| Months | Buildings | | Contents | | Rents & U. & O. | | Vessels | | Sprinkler Losses (no fire) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Insurance | Loss Insured | Insurance | Loss Insured | Insurance | Loss | Insurance | Loss | Insurance | Loss |
| Jan. 1932 | $6,514,254.00 | $476,748.40 | $2,729,600.00 | $424,658.78 | $91,900.00 | $21,623.74 | | | $7,500.00 | $857.17 |
| Feb. " | 5,871,995.00 | 201,141.14 | 2,204,810.25 | 142,314.94 | 70,000.00 | 101.67 | | | 25,000.00 | 3,619.95 |
| Mar. " | 9,767,103.50 | 309,835.78 | 1,762,677.00 | 159,862.57 | | | $120,000.00 | $101,500.00 | | |
| April " | 8,280,162.64 | 188,846.34 | 1,930,339.00 | 156,090.37 | | | | | 99,000.00 | 2,191.80 |
| May " | 7,097,956.00 | 158,304.05 | 8,586,523.00 | 121,612.31 | | | | | | |
| June " | 7,499,977.72 | 138,013.39 | 1,149,812.00 | 157,665.79 | 10,000.00 | 85.00 | | | 35,500.00 | 897.99 |
| July " | 8,175,050.00 | 175,992.89 | 6,440,272.00 | 218,766.46 | 10,000.00 | 239.52 | 350,000.00 | 20,000.00 | 37,500.00 | 15.00 |
| Aug. " | 5,111,353.00 | 210,534.06 | 884,610.00 | 112,015.94 | 100,000.00 | 1,000.00 | 8,000.00 | 19.30 | 66,000.00 | 783.22 |
| Sept. " | 4,716,828.00 | 68,870.28 | 1,125,658.00 | 37,441.90 | | | 4,000.00 | 169.43 | 33,500.00 | 1,635.97 |
| Oct. " | 4,017,773.00 | 108,138.60 | 3,002,869.00 | 34,904.93 | 2,400.00 | 100.00 | 37,000.00 | 2,529.65 | 17,500.00 | 707.85 |
| Nov. " | 5,173,054.00 | 144,279.98 | 1,301,355.00 | 139,770.12 | 18,400.00 | 1,353.70 | | | 133,000.00 | 1,662.40 |
| Dec. " | 5,842,149.00 | 153,499.75 | 1,645,525.00 | 202,811.83 | | | | | 665,900.00 | 6,687.67 |
| Totals | $78,067,655.86 | $2,334,204.66 | $32,764,050.25 | $1,907,915.94 | $302,700.00 | $24,503.63 | $519,000.00 | $124,218.38 | $1,120,400.00 | $19,059.02 |

*NOTE—The amounts indicated represent only payments made, with estimates by insurance company adjusters for unsettled claims, as reported to the Department, for fire losses which occurred during the year, where fire alarms were given. The amounts do not include payments or estimates for losses by fires extinguished by occupants (no fire alarm being given) and other unreported fire losses, the total amount of which may be conservatively estimated at from 5% to 10% of these amounts.

## STATISTICS FOR YEAR ENDING DECEMBER 31, 1932

| | | | |
|---|---|---|---|
| Population | | | 805,400 |
| Area Square Miles | | | 47.81 |
| Number of Brick, Stone, Concrete, Steel frame, B, etc. | | 13,866 | *137,511 |
| " " Wooden Buildings | | 93,645 | |
| " " Alarms, exclusive of False and Needless | | 7,559 | 9,393 |
| " " False and Needless Alarms | | 1,627 | |
| " " Calls to assist other Cities and Towns | | 19 | |
| " " Sprinkler System breaks and defects | | 188 | |
| " " Fires in Brick and Stone Building | | 2,234 | 7,559 |
| " " Fires in Wooden Buildings | | 2,039 | |
| " " Fires in Concrete Blocks | | 52 | |
| " " Fires in Fireproof | | 2 | |
| " " Fires in Ironclad | | 10 | |
| " " Fires in Reinforced Concrete | | 12 | |
| " " Fires not originating in Buildings | | 3,210 | |
| " " Fires confined to floor where fire originated | 3,827 | 4,349 | 7,559 |
| " " " confined to Building but not to floor of origin | 388 | | |
| " " " extending to adjoining Building | 108 | | |
| " " " extending beyond adjoining Building | 26 | | |
| " " " originating in Automobiles | 892 | 3,210 | |
| " " " not originating in Buildings | 2,280 | | |
| " " " not originating in, but involving Buildings | 38 | | |

* January 1, 1933. By courtesy of City of Boston Building Department.

| | Buildings | Contents | Rent&U&O | Vessels | Total |
|---|---|---|---|---|---|
| Total Insurance where claim for loss was made | $78,067,655.86 | $32,761,050.25 | $302,700.00 | $519,000.00 | $111,653,406.11 |
| Total Insurance Loss | 2,334,201.66 | 1,907,915.94 | 24,503.63 | 124,218.38 | 4,390,842.61* |
| Losses where fires originated, i. e., direct losses | 2,244,346.74 | 1,885,992.82 | 24,503.63 | 124,218.38 | 4,279,061.57* |
| Losses where fires did not originate, i. e., exposure losses | 89,857.92 | 21,923.12 | | | 111,781.04* |

*NOTE—The amounts indicated represent only payments made, with estimates by insurance company adjusters for unsettled claims, as reported to the Department, for fire losses which occurred during the year, where fire alarms were given. The amounts do not include payments or estimates for losses by fires extinguished by occupants (no fire alarm being given) and other unreported fire losses, the total amount of which may be conservatively estimated at from 5% to 10% of these amounts.

### Review of grade of losses for ten years

(Insured Loss with Estimates of Un-insured Loss except as noted)

| Years | Total Al'm. | No Loss | Under $100 | $100 to 500 | $500 to 1000 | $1000 to 5000 | $5000 to 10,000 | $10,000 to 15,000 | Over 15,000 |
|---|---|---|---|---|---|---|---|---|---|
| 1923 | 7377 | 5069 | 977 | 693 | 168 | 319 | 76 | 33 | 54 |
| 1924 | 8117 | 5128 | 1037 | 804 | 239 | 405 | 105 | 40 | 59 |
| 1925 | 7678 | 4998 | 1005 | 831 | 253 | 390 | 104 | 31 | 66 |
| 1926 | 7787 | 5078 | 1045 | 773 | 277 | 422 | 90 | 39 | 63 |
| 1927 | 7351 | 4810 | 977 | 802 | 219 | 401 | 75 | 22 | 44 |
| 1928 | 7669 | 5143 | 979 | 789 | 230 | 325 | 89 | 26 | 38 |
| 1929 | 8336 | 5584 | 1081 | 820 | 241 | 449 | 87 | 29 | 45 |
| 1930 | 8500 | 5707 | 1060 | 803 | 271 | 461 | 98 | 35 | 65 |
| ¶1931 | 8728 | 5777 | 1109 | 849 | 273 | 544 | 103 | 34 | 39 |
| ¶1932 | 9393 | 6379 | *1121 | *849 | *296 | *590 | 100 | 22 | *36 |

*43 Sprinkler losses included, viz., 15 under $100. 6 from $100 to $500. 5 from $500 to $1,000. 6 from $1,000 to 5,000. 1 over $15,000.

¶Insured Loss only.

### Review of total alarms, fires with loss, loss, average loss of total alarms, and average loss of fires with loss, for ten years

(Insured Loss with Estimates of Un-insured Loss except as noted)

| Years | Total Alarms | Fires with Loss | Loss | Average Loss of Total Alarms | Average Loss of Fires with Loss |
|---|---|---|---|---|---|
| 1923 | 7,377 | 2,271 | $6,323,331.48 | $857.17 | $2,784.38 |
| 1924 | 8,117 | 2,626 | 4,825,216.13 | 594.48 | 1,837.48 |
| 1925 | 7,678 | 2,632 | 5,471,749.06 | 713.04 | 2,080.07 |
| 1926 | 7,787 | 2,709 | 5,268,941.87 | 676.63 | 1,944.98 |
| 1927 | 7,351 | 2,541 | 3,937,329.78 | 535.62 | 1,549.52 |
| 1928 | 7,669 | 2,526 | 3,939,309.42 | 513.67 | 1,559.52 |
| 1929 | 8,336 | 2,719 | 4,195,151.81 | 503.25 | 1,542.90 |
| 1930 | 8,500 | 2,730 | 5,241,788.23 | 616.68 | 1,920.07 |
| ¶1931 | 8,728 | 2,908 | 4,201,708.83 | 481.41 | 1,444.88 |
| ¶1932 | 9,393 | †2,971 | 4,390,842.61 | 467.45 | 1,477.90 |

The above tables include Still Alarms.

†Does not include 13 Sprinkler losses.

¶Insured Loss only.

In conclusion, I desire to express my sincere thanks to the Fire and Police Departments for their active co-operation, and to all other departments or persons who have in any way assisted this Department during the past.

Respectfully submitted,

PETER E. WALSH,

*Acting Superintendent of Department.*

## MEDICAL EXAMINER'S REPORT

1932

PETER E. WALSH,
*Act. Supt. Boston Protective Department.*

*Dear Sir:*—Your Medical Officer respectfully submits the following report for the year ending December 31, 1932:

| | |
|---|---|
| Applicants Examined | 0 |
| Promotions. Examinations for | 3 |
| Members. Visits to sick | 19 |
| Members. Visits to injured | 9 |
| Physicians reports. Attending | 125 |
| Special reports | 2 |
| Certificates. Return to duty | 35 |

W. F. TEMPLE Jr., M. D.
*Medical Officer, Boston Protective Department.*

*4353.53

# Boston Protective Department

Mar. 26, 1934

## SIXTIETH

# ANNUAL REPORT

FOR THE CALENDAR YEAR

1933

BOSTON PUBLIC LIBRARY

# OFFICERS

*President:*

*ARTHUR W. BURKE

*Vice-President:*

WILLARD C. HILL

*Directors:*

To Serve until March, 1934

J. J. CORNISH

H. G. FAIRFIELD

EDMUND WINCHESTER

To Serve until March, 1935

*ARTHUR W. BURKE

W. E. BURRAGE

ARTHUR J. ANDERSON

HERBERT A. KNEELAND

To Serve until March, 1936

WILLARD C. HILL

E. F. WOODS

R. A. BENTING

*Secretary-Treasurer:*

CHARLES W. GOODING

*Acting Superintendent:*

PETER E. WALSH

*Medical Officer:*

DR. WM. F. TEMPLE, JR.

*Died June 1, 1933

Boston, January 1, 1934.

To the Members of the
Boston Protective Department:

The Directors submit herewith the 60th Annual Report of the Department with the reports of the Superintendent, Treasurer, Medical Officer and statistical tables.

The Board recommends, first, that the active duties of the Department be continued for another year; second, that the Directors be authorized to expend for the maintenance of the Department during the year a sum not exceeding one hundred and eighty thousand dollars.

For the Directors,

WILLARD C. HILL,

Vice-President

# TREASURER'S REPORT

## INCOME AND EXPENSE ACCOUNT FOR THE YEAR ENDED DECEMBER 31, 1933

RECEIPTS:

| | | |
|---|---|---|
| Cash Balance December 31, 1932 | | $9,040.72 |
| Assessment on July-December 31, 1932 Premiums | $81,062.25 | |
| Assessment on January-June 30, 1933 Premiums | 82,044.93 | |
| Total Assessments | 163,107.18 | |
| Asseessments Not Paid | 1,068.04 | |
| Total Assessments Collected | $162,039.14 | |
| Special Service | 931.37 | |
| Interest | 6.91 | |
| Cash Income for the year 1933 | | 162,977.42 |
| Total | | $172,018.14 |

EXPENDITURES:

| | | |
|---|---|---|
| Miscellaneous Department Supplies | 717.06 | |
| Automobile Repairs and Supplies | 1,453.44 | |
| Payroll and Salaries | 128,632.61 | |
| Printing and Office Supplies | 821.98 | |
| Telephone | 1,515.56 | |
| New Equipment Purchased | 973.00 | |
| Repairs—Equipment | 194.80 | |
| Repairs—Houses | 452.64 | |
| Water, Light, and Fuel | 2,930.57 | |
| Insurance | 8,665.18 | |
| Rent and Taxes | 15,723.24 | |
| Miscellaneous Expenses | 243.00 | |
| Total Expenditures for the year 1933 | | $161,923.08 |
| Cash Balance December 31, 1933 | | 10,095.06 |
| Total | | $172,018.14 |

## STATEMENT OF ASSESSMENTS MADE IN 1933

| | | |
|---|---|---|
| July 1, 1932, to December 31, 1932: | | |
| Premiums on Fire & Sprinkler | $2,947,699.19 at 2¾% | $81,062.25 |
| January 1, 1933 to July 1, 1933: | | |
| Premiums on Fire & Sprinkler | $2,982,434.44 at 2¾% | 82,044.93 |
| | | $163,107.18 |
| July 1, 1933, to December 31, 1933: | | |
| Premiums on Fire & Sprinkler | $2,925,476.86 | |

# SUPERINTENDENT'S REPORT

---

HEADQUARTERS BOSTON PROTECTIVE DEPARTMENT
OFFICE OF SUPT., NO. 3 INDIA SQ.

BOSTON, January 1st, 1934.

TO THE PRESIDENT AND BOARD OF DIRECTORS:

Gentlemen: — I herewith submit the Sixtieth Annual Report of operations of the Department for the year ending December 31st, 1933.

## CALLS AND SERVICE

The department responded to 2,091 City boxes, 425 Verbal, 162 Boston Automatic Fire Alarms, 101 American District Telegraph, which includes 27 Sprinkler Breaks, 128 Sprinkler Troubles, Total 2,779; also 27 Water Damages, Total responses 2,806.

The service rendered was 17 fire extinguishers used, 7,356 covers spread on merchandise at fires and other calls, 556 covers on roofs, 103 covers protecting merchandise after fires from storms. Total covers used 8,015.

The hours service were 1,968.28 at fires, 200.15 protecting merchandise &c after fires, and 1,123.47 privates detailed after fires. Total 3,292.30.

OF THE 9,147 ALARMS, 6,430 ALARMS or 70.28 PER CENT WERE WITHOUT LOSS. (See grade of losses.)

The insured loss on buildings, contents, rents, vessels and cargoes was $2,373,631.09 divided as follows:

| | |
|---|---|
| Buildings | $1,457,666.85 |
| Contents | 902,192.85 |
| Rents & U. & O. | 12,854.13 |
| Vessels | 917.26 |
| TOTAL | $2,373,631.09* |

*NOTE—The amounts indicated represent only payments made, with estimates by insurance company adjusters for unsettled claims, as reported to the Department, for fire losses which occurred during the year, where fire alarms were given. The amounts do not include payments or estimates for losses by fires extinguished by occupants (no fire alarm being given) and other unreported fire losses, the total amount of which may be conservatively estimated at from 5% to 10% of this amount.

## SPRINKLER LEAKAGE DAMAGE (Other Than Fires)

Building & Contents, Insurance $2,729,100.00. Insurance Loss $24,384.01†

†NOTE—The above includes only losses reported to the Department.

## DISTRICTS WHERE FIRES OCCURRED OR ALARMS WERE GIVEN

### Including Fire Department Still Alarms

| | |
|---|---|
| City Proper | 2475 |
| Roxbury District | 1762 |
| Charlestown | 425 |
| East Boston | 492 |
| South Boston | 658 |
| Dorchester | 1537 |
| West Roxbury | 878 |
| Brighton | 617 |
| Hyde Park | 288 |
| Boston Harbor | 1 |
| Brookline | 2 |
| Dedham | 2 |
| Somerville | 2 |
| Milton | 4 |
| Quincy | 2 |
| Lowell | 1 |
| Watertown | 1 |
| Total | 9147 |

## WHEN ALARMS OCCURRED

| Months | | Days of Week | | Hours of the Day | | |
|---|---|---|---|---|---|---|
| 1933 | | | | | | |
| January | 798 | Monday | 1217 | Day Service | 6 to 7 A.M. | 113 |
| February | 632 | Tuesday | 1310 | | 7 to 8 " | 136 |
| March | 744 | Wednesday | 1184 | | 8 to 9 " | 224 |
| April | 619 | Thursday | 1295 | | 9 to 10 " | 258 |
| May | 808 | Friday | 1452 | | 10 to 11 " | 348 |
| June | 783 | Saturday | 1456 | | 11 to 12 Noon | 391 |
| July | 784 | Sunday | 1233 | | 12 to 1 P. M. | 374 |
| August | 532 | | | | 1 to 2 " " | 379 |
| September | 508 | | | | 2 to 3 " " | 476 |
| October | 756 | | | | 3 to 4 " " | 476 |
| November | 1016 | | | | 4 to 5 " " | 531 |
| December | 1167 | | | | 5 to 6 " " | 684 |
| | | | | Night Service | 6 to 7 " | 622 |
| | | | | | 7 to 8 " | 630 |
| | | | | | 8 to 9 " | 737 |
| | | | | | 9 to 10 " | 641 |
| | | | | | 10 to 11 " | 519 |
| | | | | | 11 to 12 Midnight. | 375 |
| | | | | | 12 to 1 A. M. | 348 |
| | | | | | 1 to 2 " | 271 |
| | | | | | 2 to 3 " | 221 |
| | | | | | 3 to 4 " | 155 |
| | | | | | 4 to 5 " | 136 |
| | | | | | 5 to 6 " | 102 |
| Totals | 9147 | | 9147 | | | 9147 |

# STATEMENT BY MONTHS

## Of Alarms for Fires Responded to by One or More Companies of this Department, Together with Other Statistics

| Months | Alarms attended by this Dept. | | | | Extinguished by occupant. No alarm given. | Alarms not attended by this Department. | Total Alarms. | Water Damage Calls. | Sprinklers operated on fires. | Sprinkler breaks or defects. | Alarms for fires on vessels. | Covers Spread | | | Extinguishers used. | Duty at fires and responding to calls. | Duty after fires protecting mdse. | Detail after fires. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | City Boxes. | Still. | Automatic. | A. D. T. | | | | | | | | At fire and sprinkler calls. | On roofs after fires. | Protecting mdse. after fires. | | Hrs. m. | Hrs. m. | Hrs. m. |
| Jan. 1933 | 191 | 29 | 14 | 5 | 0 | 559 | 798 | 1 | 15 | 13 | 0 | 578 | 58 | 2 | 2 | 193.51 | 16.49 | 117.58 |
| Feb. " | 166 | 38 | 15 | 17 | 0 | 396 | 632 | 2 | 15 | 35 | 0 | 882 | 70 | 34 | 1 | 203.59 | 45.06 | 155.31 |
| Mar. " | 182 | 42 | 10 | 7 | 0 | 503 | 744 | 1 | 21 | 17 | 2 | 887 | 53 | 0 | 0 | 205.42 | 28.57 | 137.48 |
| April " | 158 | 28 | 9 | 1 | 0 | 423 | 619 | 1 | 7 | 10 | 2 | 452 | 67 | 0 | 0 | 152.06 | 10.56 | 71.52 |
| May " | 184 | 47 | 13 | 4 | 0 | 560 | 808 | 1 | 5 | 16 | 0 | 475 | 49 | 3 | 2 | 142.02 | 11.52 | 152.37 |
| June " | 175 | 27 | 14 | 6 | 0 | 561 | 783 | 2 | 12 | 12 | 5 | 815 | 68 | 40 | 1 | 153.38 | 20.01 | 112.33 |
| July " | 171 | 26 | 10 | 5 | 0 | 572 | 784 | 0 | 11 | 10 | 1 | 414 | 35 | 0 | 3 | 126.57 | 8.00 | 19.46 |
| Aug. " | 128 | 26 | 11 | 10 | 0 | 357 | 532 | 3 | 11 | 15 | 3 | 414 | 28 | 4 | 0 | 105.07 | 11.13 | 50.00 |
| Sept. " | 127 | 14 | 12 | 8 | 0 | 347 | 508 | 3 | 15 | 11 | 3 | 287 | 24 | 10 | 0 | 103.28 | 11.52 | 49.49 |
| Oct. " | 155 | 22 | 13 | 5 | 0 | 561 | 756 | 0 | 9 | 9 | 3 | 327 | 23 | 0 | 1 | 121.41 | 2.20 | 101.54 |
| Nov. " | 184 | 41 | 11 | 7 | 0 | 773 | 1016 | 2 | 16 | 18 | 0 | 786 | 28 | 0 | 0 | 156.50 | 4.42 | 33.41 |
| Dec. " | 270 | 85 | 30 | 26 | 0 | 756 | 1167 | 11 | 20 | 89 | 3 | 1039 | 53 | 10 | 7 | 303.07 | 28.27 | 120.18 |
| Totals | 2091 | 425 | 162 | 101 | 0 | 6368 | 9147 | 27 | 157 | 255 | 22 | 7356 | 556 | 103 | 17 | 1,968.28 | 200 15 | 1,123.47 |

## CAUSES OF ALARMS AND OF ALARMS WITH LOSS DURING 1933

| | | Alarms | Alarms with Loss |
|---|---|---|---|
| a1 | Assistance beyond City Limits | 14 | |
| 1 | Chimneys, Flues, Cupolas and Stacks, overheated or defective | 112 | 64 |
| 2 | Conflagration | | |
| 3 | Electricity | 696 | 348 |
| 4 | Explosions | 356 | 122 |
| 5 | Exposure | 70 | 69 |
| 5a | False and Needless Alarms | 2053 | |
| 6 | Fireworks, Fire Crackers, Balloons, etc | 53 | 34 |
| 7 | Friction—Sparks—Occasioned by running machinery, including Pickers, Carding Machines, Gins, etc | 30 | 13 |
| 8 | Gas—Natural and Artificial | 60 | 30 |
| 9 | Hot Ashes and Coals | 84 | 31 |
| 10 | Hot Grease, Oil, Tar, Wax, Asphalt, ignition of | 146 | 35 |
| 11 | Hot or Molten Metal | 12 | 4 |
| 12 | Incendiarism | 33 | 21 |
| 13 | Lightning—buildings rodded | 13 | 10 |
| 14 | Lightning—buildings not rodded | 5 | 5 |
| 15 | Matches | 445 | 252 |
| 16 | Miscellaneous—Cause known but not Classified | 212 | 33 |
| 17 | Open Fires | 76 | 7 |
| 18 | Open Lights | 120 | 80 |
| 19 | Petroleum and its products | 306 | 105 |
| 19a | Rekindling of a previous fire | 3 | 1 |
| 20 | Rubbish and Litter | 1269 | 4 |
| 21 | Smoking | 1076 | 689 |
| 22 | Sparks—Arising from combustion | 134 | 80 |
| 23 | Sparks on Roof | 41 | 33 |
| 24 | Spontaneous Combustion | 127 | 76 |
| 24a | Sprinklers | 255 | 55 |
| 25 | Steam and Hot Water Pipes | 10 | 4 |
| 26 | Stoves, Furnaces, Boilers and their pipes | 888 | 152 |
| 27 | Unknown | 448 | 360 |
| 28 | **Unknown origin but investigation important** | | |
| | Totals | 9147 | 2717 |

# GRADE OF INSURED LOSSES FOR 1933

| | | | |
|---|---|---|---|
| 6430 | Alarms with no loss | | |
| 1240 | Fires with loss under | $100 | $34,616.92 |
| 709 | " " " from | $100 to $500 | 145,966.32 |
| 246 | " " " " | $500 to $1,000 | 163,830.95 |
| 365 | " " " " | $1,000 to $5,000 | 791,454.51 |
| 61 | " " " " | $5,000 to $10,000 | 406,410.12 |
| 17 | " " " " | $10,000 to $15,000 | 177,651.81 |
| | Over $15,000 | | |
| 1 | Jan. 21, 1933 | 48-54 Canal St., Imperial Furniture Co., et al. | 18,057.81 |
| 1 | " 28, " | 61-3 Shawmut Ave., M. S. Rosenbaum, et al. | 29,789.15 |
| 1 | Feb. 2, " | 84-100 Peterborough St., A. Demajian, et al. | 17,126.50 |
| 1 | " 7, " | 56 Brighton Ave., Fordham Realty Co., et al. | 26,693.96 |
| 1 | " 10, " | 868 East Broadway, Roman Catholic Archidose | 86,287.26 |
| 1 | Mar. 19, " | 25-43 Kneeland St., Haymarket Clothing Co., et al. | 36,242.84 |
| 1 | " 20, " | 197-201 Congress St., Sager Electrical Supply Co., et al. | 93,114.34 |
| 1 | " 20, " | R. 458 Blue Hill Ave., Grove Hall Chevrolet Co., et al. | 18,197.00 |
| 1 | June 9, " | 137-9 Stuart St., E. F. Cloran Co. | 18,350.00 |
| 1 | Nov. 2, " | 33-5 Bedford St., Laboratory Kitchen, et al. | 95,821.21 |
| 1 | " 7, " | Central Wharf, Eastern Steamship Co., et al. | 149,840.53 |
| 1 | " 18, " | 127-33 Oliver St., Portland Elevator Co., et al. | 26,408.47 |
| 1 | Dec. 22, " | 120 Business St., Baylite Lamp & Shade Co. | 24,000.00 |
| 9081 | | | 2,359,859.70 |
| 11 | Marine Losses | | 917.26 |
| 9092 | | | 2,360,776.96 |
| | Rents and U. & O. | | 12,854.13 |
| 55 | Sprinkler Losses (no fire) | $24,384.01 | |
| 9147 | | | 2,373,631.09 |

# STATEMENT BY MONTHS
# OF INSURANCE AND INSURED LOSSES

| Months | Buildings | | Contents | | Rents & U. & O. | | Vessels | | Sprinkler Losses (no fire) | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Insurance | Loss Insured | Insurance | Loss Insured | Insurance | Loss | Insurance | Loss | Insurance | Loss |
| Jan. 1933 | $6,789,655.00 | $134,783.42 | $644,935.00 | $99,313.12 | | | | | $250,000.00 | $3,669.55 |
| Feb. " | 5,570,171.00 | 228,424.13 | 454,605.00 | 69,363.07 | $18,500.00 | $700.00 | | | 467,800.00 | 4,144.18 |
| Mar. " | 14,070,813.00 | 156,674.44 | 2,020,922.00 | 195,046.88 | 1,054,020.00 | 1,296.85 | | | 28,000.00 | 319.30 |
| April " | 3,199,171.00 | 83,601.35 | 701,090.00 | 45,187.38 | 18,000.00 | 333.10 | $800.00 | $250.00 | | |
| May " | 3,045,176.00 | 79,394.83 | 552,396.00 | 43,137.91 | 87,500.00 | 291.67 | | | 30,000.00 | 510.12 |
| June " | 11,237,472.41 | 86,928.94 | 1,247,256.00 | 73,552.57 | | | | | | |
| July " | 6,608,234.62 | 70,652.32 | 1,460,834.00 | 28,012.92 | | | | | | |
| Aug. " | 8,030,516.85 | 72,516.83 | 539,840.00 | 19,755.29 | 8,000.00 | 162.51 | 15,000.00 | 450.00 | 48,500.00 | 699.65 |
| Sept. " | 3,239,183.73 | 68,153.91 | 1,675,672.00 | 37,359.48 | | | 5,000.00 | 117.26 | 13,000.00 | 1,044.47 |
| Oct. " | 3,512,882.00 | 80,196.85 | 421,812.00 | 39,861.12 | | | 2,000.00 | 100.00 | | |
| Nov. " | 4,886,480.50 | 206,022.11 | 3,511,816.50 | 152,603.35 | 50,600.00 | 10,070.00 | | | 687,050.00 | 1,309.64 |
| Dec. " | 6,784,820.00 | 190,317.72 | 2,127,859.00 | 98,999.76 | | | | | 1,204,750.00 | 12,687.10 |
| Totals | $76,974,576.11 | $1,457,666.85 | $15,359,037.50 | $902,192.85 | $1,236,620.00 | $12,854.13 | $22,800.00 | $917.26 | $2,729,100.00 | $24,384.01 |

NOTE — The amounts indicated represent only payments made, with estimates by insurance company adjusters for unsettled claims, as reported to the Department, for fire losses which occurred during the year, where fire alarms were given. The amounts do not include payments or estimates for losses by fires extinguished by occupants (no fire alarm being given) and other unreported fire losses, the total amount of which may be conservatively estimated at from 5% to 10% of these amounts.

## STATISTICS FOR YEAR ENDING DECEMBER 31, 1933

| | | | |
|---|---|---|---|
| Population | | | 805,400 |
| Area Square Miles | | | 47.81 |
| Number of Brick, Stone, Concrete, Steel frame, B, etc. | | 43,975 | †137,805 |
| " " Wooden Buildings | | 93,830 | |
| " " Alarms, exclusive of False and Needless | | 6,825 | 9,147 |
| " " False and Needless Alarms | | 2,053 | |
| " " Calls to assist other Cities and Towns | | 14 | |
| " " Sprinkler System breaks and defects | | 255 | |
| " " Fires in Brick and Stone Building | | 2,201 | 8,856 |
| " " Fires in Wooden Buildings | | 1,915 | |
| " " Fires in Concrete Blocks | | 43 | |
| " " Fires in Fireproof | | 5 | |
| " " Fires in Ironclad | | 16 | |
| " " Fires in Reinforced Concrete | | 3 | |
| " " Fires not originating in Buildings | | 4,673 | |
| " " Fires confined to floor where fire originated | 3,786 | 4,183 | 8,856 |
| " " " confined to Building but not to floor of origin | 314 | | |
| " " " extending to adjoining Building | 51 | | |
| " " " extending beyond adjoining Building | 32 | | |
| " " " originating in Automobiles | 981 | 4,673 | |
| " " " not originating in Buildings | 3,662 | | |
| " " " not originating in, but involving Buildings | 30 | | |

† January 1, 1934. By courtesy of City of Boston Building Department.

| | Buildings | Contents | Rent&U&O | Vessels | Total |
|---|---|---|---|---|---|
| Total Insurance where claim for loss was made | $76,974,576.11 | $15,359,037.50 | $1,236,620.00 | $22,800.00 | $93,593,033.61 |
| Total Insurance Loss | 1,457,666.85 | 902,192.85 | 12,854.13 | 917.26 | 2,373,631.09* |
| Losses where fires originated, i. e., direct losses | 1,429,771.05 | 887,079.01 | 12,854.13 | 917.26 | 2,330,621.45* |
| Losses where fires did not originate, i. e., exposure losses | 27,895.80 | 15,113.84 | | | 43,009.64* |

*NOTE—The amounts indicated represent only payments made, with estimates by insurance company adjusters for unsettled claims, as reported to the Department, for fire losses which occurred during the year, where fire alarms were given. The amounts do not include payments or estimates for losses by fires extinguished by occupants (no fire alarm being given) and other unreported fire losses, the total amount of which may be conservatively estimated at from 5% to 10% of these amounts.

## Review of grade of losses for ten years

| Years | Total Al'm. | No Loss | Under $100 | $100 to 500 | $500 to 1000 | $1000 to 5000 | $5000 to 10,000 | $10,000 to 15,000 | Over 15,000 |
|---|---|---|---|---|---|---|---|---|---|
| 1924 | 8117 | 5428 | 1037 | 804 | 239 | 405 | 105 | 40 | 59 |
| 1925 | 7678 | 4998 | 1005 | 831 | 253 | 390 | 104 | 31 | 66 |
| 1926 | 7787 | 5078 | 1045 | 773 | 277 | 422 | 90 | 39 | 63 |
| 1927 | 7351 | 4810 | 977 | 802 | 219 | 401 | 75 | 22 | 44 |
| 1928 | 7669 | 5143 | 979 | 789 | 230 | 325 | 89 | 26 | 38 |
| 1929 | 8336 | 5584 | 1081 | 820 | 241 | 449 | 87 | 29 | 45 |
| 1930 | 8500 | 5707 | 1060 | 803 | 271 | 461 | 98 | 35 | 65 |
| 1931 | 8728 | 5777 | 1109 | 849 | 273 | 544 | 103 | 34 | 39 |
| 1932 | 9393 | 6379 | 1121 | 849 | 296 | 590 | 100 | 22 | 36 |
| 1933 | 9147 | 6430 | *1264 | *728 | *253 | *381 | 61 | 17 | 13 |

*55 Sprinkler losses included, viz., 21 under $100. 15 from $100 to $500. 5 from $500 to $1,000. 14 from $1,000 to 5,000.

## Review of total alarms, fires with loss, loss, average loss of total alarms, and average loss of fires with loss, for ten years

(Insured Loss with Estimates of Un-insured Loss except as noted)

| Years | Total Alarms | Fires with Loss | Loss | Average Loss of Total Alarms | Average Loss of Fires with Loss |
|---|---|---|---|---|---|
| 1924 | 8,117 | 2,626 | $4,825,216.13 | $594.48 | $1,837.48 |
| 1925 | 7,678 | 2,632 | 5,474,749.06 | 713.04 | 2,080.07 |
| 1926 | 7,787 | 2,709 | 5,268,941.87 | 676.63 | 1,944.98 |
| 1927 | 7,351 | 2,541 | 3,937,329.78 | 535.62 | 1,549.52 |
| 1928 | 7,669 | 2,526 | 3,939,309.42 | 513.67 | 1,559.52 |
| 1929 | 8,336 | 2,719 | 4,195,151.81 | 503.25 | 1,542.90 |
| 1930 | 8,500 | 2,730 | 5,241,788.23 | 616.68 | 1,920.07 |
| ¶1931 | 8,728 | 2,908 | 4,201,708.83 | 481.41 | 1,444.88 |
| ¶1932 | 9,393 | 2,971 | 4,390,842.61 | 467.45 | 1,477.90 |
| ¶1933 | 9,147 | †2,662 | 2,373,631.09 | 259.49 | 891.67 |

The above tables include Still Alarms.
†Does not include 55 Sprinkler losses.
¶Insured Loss only.

In conclusion, I desire to express my sincere thanks to the Fire and Police Departments for their active co-operation, and to all other departments or persons who have in any way assisted this Department during the past.

Respectfully submitted,

PETER E. WALSH,

*Acting Superintendent of Department.*

## MEDICAL EXAMINER'S REPORT

1933

PETER E. WALSH,
*Act. Supt. Boston Protective Department.*

*Dear Sir:*—Your Medical Officer respectfully submits the following report for the year ending December 31, 1933:

| | |
|---|---|
| Applicants Examined | 0 |
| Promotions. Examinations for | 0 |
| Members. Visits to sick | 21 |
| Members. Visits to injured | 7 |
| Physicians reports. Attending | 89 |
| Special reports | 0 |
| Certificates. Return to duty | 26 |

W. F. TEMPLE Jr., M. D.
*Medical Officer, Boston Protective Department.*

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